



## Custom Track Service Percent Worn

**QUINN COMPANY (H430)**

Prepared By: Nick Tafolla

<b>Model</b>	D9T	<b>Job Site</b>	Calab Landfill		<b>Inspection Date</b>	05Apr22
<b>Manufacturer</b>	Caterpillar		<u>Left</u>	<u>Right</u>	<b>Next Inspection Date</b>	10Feb24
<b>Serial Number</b>	RJS01135	<b>Track Sag (4.7 in - 5.5 in)</b>	--	--	<b>Next Inspection Hours</b>	--
<b>Reference Number</b>	1217	<b>Frame Ext (max 7.4 in)</b>	--	--	<b><u>Underfoot Conditions</u></b>	
<b>Hour Meter Reading</b>	19,538.4	<b>Frame Ext %</b>	--	--	<b>Impact</b>	Moderate
<b>Hours Per Week</b>	11.29	<b>Dry Joints</b>	--	--	<b>Abrasion</b>	Moderate
<b>Total Odometer Reading</b>	--	<b>Link Roller System</b>	37%	35%	<b>Moisture</b>	Moderate
<b>Forward Odometer</b>	--				<b>Packing</b>	Moderate
<b>Reverse Odometer</b>	--				<b>Bushing Allowable Wear</b>	Greater
<b>Distance Per Week</b>	--				<b>Link Allowable Wear</b>	Greater

Position	Part Number		Status		Date Installed		SMU Installed		Hours on Wear Surface		Measurement (inches)		Percent Worn	
Component	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
<b>Link Assemblies</b>	<b>Left:1995525</b>				<b>Right:1995525</b>				<b>Pitch:9.45 in (240 mm)</b>		<b>Sections:43</b>			
<b>Track Link</b>	7T2275	7T2275	Replace d	Replace d	05Mar19	05Mar19	17103	17103	2,435	2,435	2.08 (U )	2.09 (U )	40%	38%



Left Track Link 1



Left Track Link 1



Left Track Link 1



Left Track Link 1



Right Track Link 1

<b>Bushing (Ext)</b>	1860781	1860781	Replace d	Replace d	05Mar19	05Mar19	17103	17103	2,435	2,435	0.52 (U )	0.53 (U )	46%	44%
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Left Track Bushing 1



Left Track Bushing 1



Right Track Bushing 1

Track Shoe		Left Width:24in						Right Width:24in						
	2345975	2345975	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.59 (U)	2.58 (U)	66%	67%



Right Track Shoe 1



Right Track Shoe 1

Idlers														
Front	1671947	1671947	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	0.9 (D)	0.9 (D)	24%	24%
Rear	1671947	1671947	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	0.88 (D)	0.9 (D)	20%	24%

Track Roller															
Front	S	1969955	1969955	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.41 (U)	2.42 (U)	33%	32%
2	S	1969955	1969955	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.48 (U)	2.48 (U)	26%	26%
3	D	1969954	1969954	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.31 (U)	2.32 (U)	23%	22%

4	D	1969954	1969954	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.33 (U)	2.32 (U)	21%	22%
5	D	1969954	1969954	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.38 (U)	2.37 (U)	16%	17%
6	D	1969954	1969954	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.37 (U)	2.37 (U)	17%	17%
7	S	1969955	1969955	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.6 (U)	2.61 (U)	14%	13%
8	S	1969955	1969955	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	2.55 (U)	2.56 (U)	19%	18%

**Sprocket**

		4992970	4992970	Replaced	Replaced	05Mar19	05Mar19	17103	17103	2,435	2,435	10 (T)	10.05 (T)	48%	42%
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Left Sprocket



Right Sprocket

(U) Ultrasonic | (C) Caliper | (D) Depth Gauge | (T) Tape | (E) Estimated

**General Recommendations**

looks good at this time.

Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect

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### Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
Task No	Task Finish Date	Task Crew	Task Description
	Task Finishing Comments		

<b>0957755</b>	<b>R</b>	<b>REPAIR</b>	1217 REPLACE FRONT WINDOW
01	06/08/2022	CAEM	1217 REPLACE FRONT WINDOW Comments: 6/8/22 BOURETT GLASS REPAIRED FRONT CENTER WINDOW. JOB COMPLETE.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Materials & Equipment	0	213.33	233.6
Labor	0	0	95.07
Services	0	85	85
			<b>413.66999999999996</b>

<b>0950896</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR A/C NOT BLOWING COLD
01	04/21/2022	CAEM	1217 REPAIR A/C NOT BLOWING COLD Comments: 4/21/22 FOUND AC HAD NO FREON. FOUND LEAK AT LOW SIDE FITTING ON COMPRESSER. R AND I NEW FITTING USING NEW SEALS. CHARGED AC JOB COMPLETE.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Materials & Equipment	0	188.35	206.25
Labor	0	0	475.35
			<b>681.6</b>

<b>0948899</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR ALTERNATOR NOT CHARGING
01	04/12/2022	CAEM	1217 REPAIR ALTERNATOR NOT CHARGING Comments: 4/12/22 FOUND ALTERNATOR NOT CHARGING. R AND I OR ALTERNATOR ON ENGINE. INSTALLED BELT. JOB COMPLETE.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Materials & Equipment	0	1377.29	1508.13
Labor	0	0	475.35
			<b>1983.48</b>

## Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description																
Task No	Task Finish Date	Task Crew	Task Description																
	Task Finishing Comments																		
<b>0942079</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR TRANSMISSION OIL LEAK																
01	02/22/2022	CAEM	1217 REPAIR TRANSMISSION OIL LEAK Comments: 2/22/22 FOUND TRANSMISSION OIL LEAK ON TOP OF TRANSMISSION OIL FILTER HOUSING. REMOVED FILTER AND PLUGS. INSTALLED NEW SEALS. JOB COMPLETE.																
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 35%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td>Labor</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: right;">190.14</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;"><b>190.14</b></td> </tr> </tbody> </table>				EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT	Labor	0	0	190.14				<b>190.14</b>				
EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																
Labor	0	0	190.14																
			<b>190.14</b>																
<b>0940685</b>	<b>R</b>	<b>REPAIR</b>	1217 REPLACE CUTTING EDGES																
01	05/19/2022	CAEM	1217 REPLACE CUTTING EDGES Comments: 5/19/22 ORDERED PARTS FOR STOCK IN YARD. JOB COMPLETE.																
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 35%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td>Labor</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: right;">95.07</td> </tr> <tr> <td>Materials &amp; Equipment</td> <td style="text-align: center;">0</td> <td style="text-align: right;">1754.86</td> <td style="text-align: right;">1921.57</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;"><b>2016.6399999999999</b></td> </tr> </tbody> </table>				EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT	Labor	0	0	95.07	Materials & Equipment	0	1754.86	1921.57				<b>2016.6399999999999</b>
EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																
Labor	0	0	95.07																
Materials & Equipment	0	1754.86	1921.57																
			<b>2016.6399999999999</b>																
<b>0939528</b>	<b>P</b>	<b>PM</b>	1217-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE (19,495 HR.)																
01	02/18/2022	CAEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE Comments: SERVICE COMPLETED BT D.RADSICK AND D.SCHATTILLY																
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 35%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td>Labor</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: right;">690.59</td> </tr> <tr> <td>Materials &amp; Equipment</td> <td style="text-align: center;">0</td> <td style="text-align: right;">320.54</td> <td style="text-align: right;">350.99</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;"><b>1041.58</b></td> </tr> </tbody> </table>				EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT	Labor	0	0	690.59	Materials & Equipment	0	320.54	350.99				<b>1041.58</b>
EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																
Labor	0	0	690.59																
Materials & Equipment	0	320.54	350.99																
			<b>1041.58</b>																
<b>0932413</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR BELT AND PULLEY FROZEN																
01	12/27/2021	CAEM	1217 REPAIR BELT AND PULLEY FROZEN Comments: 12/27/21 FOUND UPPER PULLEY FROZEN. R AND I PULLEY. JOB COMPLETE.																

### Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
<b>Task No</b>	<b>Task Finish Date</b>	<b>Task Crew</b>	<b>Task Description</b>
<b>Task Finishing Comments</b>			
<b>0932413</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR BELT AND PULLEY FROZEN
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 584.83 640.39
		Labor	0 0 285.21
			<b>925.5999999999999</b>
<b>0923936</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR RIGHT LIFT CYLINDER YOKE NOT TAKING GREASE
01	11/15/2021	CAEM	1217 REPAIR RIGHT LIFT CYLINDER YOKE NOT TAKING GREASE
	Comments: 11/15/21 FOUND RIGHT LIFT CYLINDER YOKE NO TAKING GREASE. REMOVED YOKE RETAINER AND MOVED MACHINE. FORCED OIL UNTIL CLEAR. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 190.14
			<b>190.14</b>
<b>0922766</b>	<b>R</b>	<b>REPAIR</b>	1217 CLEAN OUT TRACKS AND BELLY PANS
01	10/22/2021	CAEM	1217 CLEAN OUT TRACKS AND BELLY PANS
	Comments: 10/22/21 CLEANED OUT BOTH TRACKS BLOCKED MACHINE AND DROPPED BELLY PANS FOR CLEAN OUT. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 380.27
			<b>380.27</b>
<b>0906977</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR RIGHT DOOR GLASS
01	07/28/2021	CAEM	1217 REPAIR RIGHT DOOR GLASS
	Comments: 7/28/21 RT DOOR GLASS BROKEN. BOURRET GLASS PERFORMED REPAIR. JOB COMPLETE.		

## Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
Task No	Task Finish Date	Task Crew	Task Description
	Task Finishing Comments		
<b>0906977</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR RIGHT DOOR GLASS
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Services	0 85 85
		Labor	0 0 95.07
		Materials & Equipment	0 231.96 254
			<b>434.07</b>
<b>0901030</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR HYDRAULIC LEAK AT TILT HOSES
01	07/20/2021	CAEM	1217 REPAIR TILT LEAKING TILT HOSES
	Comments: 7/20/21 R AND I BOTH TILT HOSES FROM MACHINE TO DIAGONAL LINK. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Materials & Equipment	0 317.76 347.95
		Services	0 60 65.7
		Labor	0 0 276.82
			<b>690.47</b>
<b>0900902</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR FLOOD LIGHT RIGHT SIDE INNER LIFT CYLINDER
01	06/16/2021	CAEM	1217 REPAIR FLOOD LIGHT RIGHT SIDE INNER LIFT CYLINDER
	Comments: 6/16/21 FOUND LIGHT BROKEN ON TOP OF RIGHT SIDE INNER LIFT CYLINDER. R AND I NEW LIGHT FROM STOCK. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Labor	0 0 92.27
			<b>92.27</b>
<b>0900198</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR A/C AND ADJUST BLADE ARMS CALIBRATE BLADE
01	06/29/2021	CAEM	1217 REPAIR A/C AND ADJUST BLADE ARMS



## Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description		
<b>Task No</b>	<b>Task Finish Date</b>	<b>Task Crew</b>	<b>Task Description</b>		
<b>Task Finishing Comments</b>					
<b>0900198</b>	<b>R</b>	<b>REPAIR</b>	<b>1217 REPAIR A/C AND ADJUST BLADE ARMS CALIBRATE BLADE</b>		
Comments: 6/29/21 FOUND AC DRAIN LINES CLOGGED. CLEARED HOSES AND CHECKED CHARGE, R AND I NEW CAB FILTERS FROM STOCK. CALIBRATED BLADE CONTROL AND REMOVED SHIMS FROM BLADE GP. R AND I NEW FRONT WINDOW WIPER BLADE. JOB COMPLETE.					
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>	<b>REVISED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Labor	0	0	645.91
					<b>645.91</b>
<b>0899708</b>	<b>R</b>	<b>REPAIR</b>	<b>1217 CLEAN OUT REAR TRANSMISSION GAURD</b>		
01	06/10/2021	CAEM	1217 CLEAN OUT REAR TRANSMISSION GAURD		
Comments: 6/10/21 CLEANED OUT REAR TRANSMISSION GAURD AREA. JOB COMPLETE.					
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>	<b>REVISED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Labor	0	0	184.55
					<b>184.55</b>
<b>0891668</b>	<b>R</b>	<b>REPAIR</b>	<b>1217 REPAIR MUFFLER</b>		
01	05/03/2021	CAEM	1217 REPAIR MUFFLER		
Comments: 5/3/21 FOUND MUFFLER BROKE OFF AT STACK. DRAINED COOLANT AND REMOVED HOOD GP. R AND I NEW MUFFLER FROM STOCK. ASSEMBLED HOOD RAN AND TESTED. JOB COMPLETE.					
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>	<b>REVISED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Labor	0	0	276.82
					<b>276.82</b>
<b>0888322</b>	<b>P</b>	<b>PM</b>	<b>CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE (19,252 HRS)</b>		
01	10/21/2021	CAEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE		
Comments: SERVICE COMPLETED BY D.RADSICK AND D. SCHATTILLY					

### Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
Task No	Task Finish Date	Task Crew	Task Description
	Task Finishing Comments		
<b>0888322</b>	<b>P</b>	<b>PM</b>	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE (19,252 HRS)
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	199.68 199.68 655.61
		Materials & Equipment	0 31.25 34.33
			<b>689.94</b>
<b>0888086</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR RIGHT SIDE MIRROR
01	04/09/2021	CAEM	1217 REPAIR RIGHT SIDE MIRROR
	Comments: 4/9/21 R AND I NEW RT SIDE MIRROR. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 237.8 260.39
		Labor	0 0 184.54
			<b>444.92999999999995</b>
<b>0885559</b>	<b>P</b>	<b>PM</b>	1217-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE
01	04/07/2021	CAEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE
	Comments: SERVICE COMPLETED BY D.RADSICK		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	351.35 351.35 1015
		Materials & Equipment	0 1308.4 1421.12
			<b>2436.12</b>
<b>0883218</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR NO START LOW VOLTAGE CODES
01	03/04/2021	CAEM	1217 REPAIR NO START LOW VOLTAGE CODES
	Comments: 3/4/21 FOUND SEVERAL LOW VOLTAGE CODES. LOAD TESTED BATTERIES FOUND ONE DEAD. R AND I NEW BATTERIES, CLEANED AREA AND CABLES. R AND I NEW JUMPER BATTERY CABLE. JOB COMPLETE.		

## Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
Task No	Task Finish Date	Task Crew	Task Description
	Task Finishing Comments		
<b>0883218</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR NO START LOW VOLTAGE CODES
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Labor	0 0 461.37
		Materials & Equipment	0 575.38 630.04
			<b>1091.4099999999999</b>
<b>0882114</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR ENGINE OIL LEAK CRACKED PAN
01	10/29/2021	CAEM	1217 REPAIR ENGINE OIL LEAK CRACKED PAN Comments: 10/29/21 FOUND FRONT OIL PAN CRACKED. R AND I FRONT PAN. RAN FOUND SMALL CRACK. DRAINED OIL FRO NEXT PM INTERVAL. APPLIED SERALANT TO AREA. RAN AND TESTED. JOB COMPLETE.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Materials & Equipment	0 79.91 87.5
		Labor	0 0 768.89
			<b>856.39</b>
<b>0882111</b>	<b>R</b>	<b>REPAIR</b>	1217 CLEAN OUT TRACKS AND BELLY PANS
01	06/14/2021	CAEM	1217 CLEAN OUT TRACKS AND BELLY PANS Comments: REPAIRED CRACKS ON THE BELLY PAN.ISAAC.4/27/21
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Labor	0 0 793.33
			<b>793.33</b>
<b>0879271</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR VISION LINK NOT REPORTING
01	02/26/2021	CAEM	1217 REPAIR VISION LINK NOT REPORTING Comments: 2/26/21 RAN MACHINE CHECKED POWER TO PL ECM. OK CHECKED TO SEE MACHINE REPORTING ON UNITED FLEET. JOB COMPLETE.

## Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
Task No	Task Finish Date	Task Crew	Task Description
	Task Finishing Comments		
<b>0879271</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR VISION LINK NOT REPORTING
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 92.27
			<b>92.27</b>
<b>0878383</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR BACK UP ALARM INOP
01	02/08/2021	CAEM	1217 REPAIR BACK UP ALARM INOP Comments: 2/8/21 FOUND BACK UP ALARM INOP. REMOVED ACCESS PANELS FOUND WIRE HARNESS DAMAGED. MADE REPAIRS TO HARNESS. JOB COMPLETE.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 369.09
			<b>369.09</b>
<b>0871442</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR SERVICE CODES
01	01/14/2021	CAEM	1217 REPAIR SERVICE CODES Comments: 1/14/21 FOUND CODE FOR TRANSMISSION PRIORITY VALVE SOLENOID AND STEERING MOTOR SPEED SENSOR. CLEANED TRACKS AND ADJUSTED BOTH TRACKS. CHECKED BOTH FINAL DRIVES. BLOCKED MACHINE CLEANED BELLY PANS AND MACHINE. R AND I NEW TRANS. PRIORITY SOLENOID. CHECKED TRANS MAG SCREEN FOUND IT CLEAN. R AND I STEERING FILTER FOUND IT CLEAN. CHECKED TRANS. FILTERS. R AND I STEERING SPEED SENSOR. ADDED OIL TO SYSTEM JOB COMPLETE.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 328.07 359.23
		Labor	0 0 1568.64
			<b>1927.8700000000001</b>
<b>0868660</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR TOW HOOK LATCH
01	12/09/2020	CAEM	1217 REPAIR TOW HOOK LATCH Comments: 12/9/20 REMOVED TOW HOOK PIN AND LATCH. USED HEAT ON LATCH AND BENT INTO POSITION. INSTALLED PARTS. JOB COMPLETE.

### Completed Work Order Tasks

**Asset: V 1217** 2008 CATERPILLAR D9T TRACK DOZER, WASTE HANDLER, TIER 3

Work Order No	Work Type	Work Category	Work Order Description
Task No	Task Finish Date	Task Crew	Task Description
	Task Finishing Comments		
<b>0868660</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR TOW HOOK LATCH
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0                      0                      184.55
			<b>184.55</b>
<b>0864683</b>	<b>R</b>	<b>REPAIR</b>	1217 CLEAN OUT REAR TRANSMISSION GAURD
01	11/23/2020	CAEM	1217 CLEAN OUT REAR TRANSMISSION GAURD
	Comments: 11/23/20 PERFORMED CLEAN OUT ON REAR TRANSMISSION GAURD AREA. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0                      0                      184.55
			<b>184.55</b>
<b>0859447</b>	<b>R</b>	<b>REPAIR</b>	1217 REPAIR SEAT RAIL GUIDES
01	10/23/2020	CAEM	1217 REPAIR SEAT RAIL GUIDES
	Comments: 10/23/20 FOUND SEAT HAD EXCESSIVE MOVEMENT. TWO SEAT SLIDES MISSING. REMOVED SEAT AND INSTALLED SEAT SLIDE KIT. ADJUSTED ALL SLIDES. JOB COMPLETE.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0                      0                      92.27
		Materials & Equipment	0                      23.19                      25.39
			<b>117.66</b>



10006 Rose Hills Road  
 City of Industry, CA 90601  
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# SERVICE INVOICE

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

PLEASE MAKE REMITTANCE TO: <b>QUINN COMPANY</b> P O Box 849665, Los Angeles, CA 90084-9665	
<b>Invoice Number</b>	W0810175972
Invoice Date	12/31/2015
Payment Due Date	01/30/2016
<b>Amount Due</b>	<b>\$ 220,089.81</b>
Payment Terms:	Net 30 Days
Credit Memo Amount	
Customer Account No.	158803S
Quinn Work Order No.	WE74160
<b>Customer PO Number</b>	<b>R146915</b>

Please use Remittance Advice on last page of this invoice.

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

## INVOICE SUMMARY

SEG	DESCRIPTION	PARTS	LABOR	MISC	FLAT RATE	ADJUSTMENT	TOTAL
01	CLEAN & INSPECT		1,129.00				1,129.00
02	REMOVE & INSTALL ENG & TC/TORQUE DIVIDER	2,575.67	6,956.00				9,531.67
03	PERFORM PRO-MAJOR ENGINE O/H	29,667.22	10,998.00	84.10			40,749.32
04	ADD CHARGES ENGINE	8,403.64		2,116.50			10,520.14
05	REMOVE & INSTALL PUMP DRIVE	399.26	470.00				869.26
06	PERFORM PRO-BASIC T/CONV O/H	1,564.38	1,568.00				3,132.38
07	REMOVE & INSTALL TRANSMISSION	1,529.29	2,256.00				3,785.29
08	PRO MAJOR REPAIR TRANSMISSION	11,481.80	6,486.75	254.84			18,223.39
10	RECONDITION RADIATOR	1,696.00	940.00	1,159.71			3,795.71
11	REMOVE & INSTALL FINAL DR, STRG CL & BRAKE	92.02	1,692.00				1,784.02
12	RECONDITION FINAL DRIVE	5,859.72	8,272.00	15.00			14,146.72
13	ADD CHARGES FINAL DRIVE	2,072.40					2,072.40
14	RECONDITION STEERING & BRAKING SYSTEM	3,070.40	2,256.00				5,326.40
16	REPLACE WITH EXCHANGE TC/TRANS OIL COOLER	2,346.48	376.00				2,722.48
17	REMOVE & INSTALL POWER TRAIN OIL PUMP		1,504.00				1,504.00
18	REMOVE & INSTALL PST OIL PUMP		564.00				564.00
19	RECONDITION PST OIL PUMP	270.29	940.00				1,210.29
20	ADD CHARGES PST OIL PUMP						0.00
21	RECONDITION DIFF STEERING PUMP	1,994.60	2,820.00				4,814.60
22	ADD CHARGES DIFF STEERING PUMP						0.00

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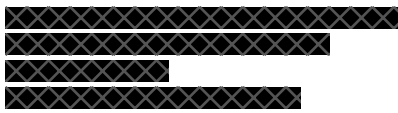


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Make: CATERPILLAR  
Model: D9T  
Serial No: 0RJS01135  
Equipment No: 1217  
Machine ID No: Meter Reading: 12822.0

## SERVICE INVOICE

BILL TO:



SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

### INVOICE SUMMARY

SEG	DESCRIPTION	PARTS	LABOR	MISC	FLAT RATE	ADJUSTMENT	TOTAL
23	REPLACE DIFF STEERING MOTOR	3,063.99	470.00				3,533.99
24	REPLACE IMPLEMENT PUMP	3,130.44	188.00				3,318.44
25	REPLACE FAN	985.88	282.00				1,267.88
26	REPLACE FAN	2,286.08	564.00				2,850.08
27	REPLACE HYDRAULIC HOSES/LINES	6,907.49	2,256.00	1,220.59			10,384.08
28	INSTALL UNDERCARRIAGE	18,009.53	12,354.00	339.00			30,702.53
29	INSPECT AND ADVISE UNDERCARRIAGE		576.00				576.00
30	REMOVE & INSTALL LIFT/HOIST CYLINDER		564.00				564.00
31	REPLACE GASKET/RESEAL LIFT/HOIST CYLINDER	278.38	1,504.00	1,066.40			2,848.78
32	REPLACE GASKET/RESEAL TILT CYLINDER	1,351.90	1,504.00				2,855.90
33	TEST AFTER REPAIRS MACHINE						0.00
34	REMOVE FIRE SUPPRESSION SYSTEM		564.00				564.00
35	INSTALL QUICK FILL SYSTEM	2,222.22	752.00				2,974.22
36	INSTALL ACCESS PANEL		752.00				752.00
38	REPLACE CAB DOOR	189.00	288.00				477.00
39	REMOVE & INSTALL HYDRAULIC TANK		1,128.00				1,128.00
40	REPLACE GASKET/RESEAL HYDRAULIC TANK	897.98	564.00				1,461.98
41	REMOVE & INSTALL HYDRAULIC CONTROL VALVE		1,692.00				1,692.00
42	REPLACE GASKET/RESEAL HYDRAULIC CONTROL VALVE	3,069.41	2,256.00				5,325.41
43	INSTALL CATWALK	23.30	1,316.00	442.72			1,782.02

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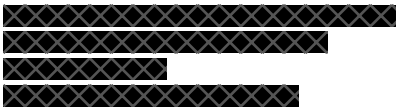


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## SERVICE INVOICE

BILL TO:



SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

### INVOICE SUMMARY

SEG	DESCRIPTION	PARTS	LABOR	MISC	FLAT RATE	ADJUSTMENT	TOTAL
44	CLEAN & TEST HYDRAULIC OIL COOLER			193.29			193.29
45	CLEAN & TEST AFTERCOOLER			433.23			433.23
46	REPLACE WIRING HARNESS	2,729.56	1,488.00				4,217.56
47	REPLACE FUEL TANK	2,452.17	558.00				3,010.17
48	REPAIR AIR CONDITIONER	1,145.73	1,920.00	75.00			3,140.73
49	INSTALL PRODUCT LINK		139.50				139.50
60	DETAIL OPERATOR STATION						0.00
63	TRAVEL TO/FROM JOB SITE				375.00		375.00
64	ASSEMBLE MACHINE	2,101.75	1,568.00				3,669.75
65	REINFORCE MAIN FRAME	19.42	2,472.00	868.30			3,359.72
66	NAT-MLP-370			11,087.36-			11,087.36-
	<b>SUBTOTAL</b>	<b>123,887.40</b>	<b>86,947.25</b>	<b>2,818.68-</b>	<b>375.00</b>		<b>208,390.97</b>
	STATE SALES TAX 7.50			9,749.03			9,749.03
	LA COUNTY TAX 1.5%			1,949.81			1,949.81
	<b>TOTAL</b>	<b>123,887.40</b>	<b>86,947.25</b>	<b>8,880.16</b>	<b>375.00</b>		<b>220,089.81</b>

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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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CLEAN & INSPECT

**CAUSE OF FAILURE:**

CPT REBUILD

**REPAIR PROCESS COMMENTS:**

11/18/15 6079- LOWERED MACHINE OFF CRIBBING AND STANDS AND SLOWLY TOOK IT OVER TO WASH RACK, SCRAPED AND CHISELED DIRT AND TRASH OFF MACHINE, WASHED MACHINE, TOOK A WHILE TO WASH MASHING CAUSE OFF TRASH AND DIRT PACKED INTO MACHINE, BROUGHT MACHINE TO SHOP AND PUT ON STANDS  
 11/20/15 6079-BLEW PROJECTILES THROUGH POWERTRAIN TUBES AND STEERING AND BRAKE TUBES, CLEANED OUT TRANSMISSION CASE, HAD TO USE SIMPLE GREEN AND WATER TO GET THE DIRT AND OIL OUT OF CASE  
 11/24/15 6079- REMOVED BOTTOM TANK FROM RAD. GUARD, TOOK BOTTOM TANK OVER TO STEAM RACK AND CLEANED OUT BOTTOM TANK, TOOK RAD. GUARD OVER TO STEAM RACK AND CLEANED OFF, BROUGHT BACK TO SHOP AND FLIPPED RAD. GUARD AND TOOK BACK TO STEAM RACK AND CLEANED OFF OTHER SIDE, INSTALLED RAD. GUARD TO CRIBBING AND INSTALLED BOTTOM TANK.

SEGMENT 01 TOTAL

F/R LBR

1129.00 \*  
 1129.00 T

-----  
 REMOVE & INSTALL ENG & TC/TORQUE DIVIDER

**CAUSE OF FAILURE:**

CPT REBUILD

**REPAIR PROCESS COMMENTS:**

11/06/15 6079- REMOVED DRIVE SHAFT GUARD AND DRIVE SHAFT, DISCONNECTED HOSES FROM STEERING PUMP, FAN PUMP AND IMPLEMENT PUMP, DISCONNECTED FUEL LINES, RECOVERED A/C AND DISCONNECTED LINES FROM COMPRESSOR, DISCONNECTED WIRING FOR ENGINE, REMOVED BAFFLE FROM ENGINE, DISCONNECTED WATER LINES FROM PT OIL COOLER  
 11/07/15 6079- DISCONNECTED PT OIL COOLER TUBES FROM OIL COOLER, REMOVED OIL COOLER, REMOVED FRONT AND REAR ENGINE MOUNT BOLTS, HOOKED UP ENGINE TO CRANE, SLOWLY REMOVED ENGINE FROM MACHINE, SET ENGINE ON STAND AND SENT TO CRC, REMOVED PT OIL FILTERS, REMOVED YOKE AND PLATE FROM TRANSMISSION, UNBOLTED STEERING MOTOR FROM TANS, INSTALLED REMOVING TOOL TO THE BACK OF THE TRANS, UNBOLTED TRANS AND REMOVED FROM MACHINE, INSTALLED TRANS TO PALLET AND SENT TO CRC  
 11/25/15 6079- BLEW OUT TRANSMISSION CASE, HOOKED UP CRANE TO TRANS, INSTALLED TRANS TO MACHINE, INSTALLED BOLTS AND TORQUED BOLTS TO 100 FT LBS, INSTALLED YOKE SEAL AND PLATE, INSTALLED YOKE  
 12/05/15 6079- CLEANED OFF MOUNTING SURFACES FOR SADDLES, INSTALLED REAR SADDLES, INSTALLED DUST TUBE FOR ALT., INSTALLED HEATER LINES TO CONDITIONER FILTER, HOOKED UP CRANE TO ENGINE, SLOWLY INSTALLED ENGINE TO MACHINE, INSTALLED FRONT MOUNT BOLTS AND TORQUED TO 500 FT LBS,



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**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
INSTALLED REAR SADDLE COVER PLATES AND TORQUED BOLTS TO 350 FT LBS, TORQUED BOTTOM BOLTS FOR REAR SADDLES TO 500 FT LBS 12/07/15 6079- REMOVED OLD SPIDERS FROM DRIVE SHAFT, CLEANED OFF MOUNTING SURFACE FROM DRIVES SHAFT, INSTALLED NEW SPIDERS TO DRIVE SHAFT WITH NEW HARDWARE, INSTALLED BOLTS AND WASHERS AND TORQUED BOLTS WITH LOCKTITE TO 100 FT LBS, INSTALLED DRIVE SHAFT TO TRANS AND T/C YOKES, INSTALLED NEW HARDWARE AND TORQUED BOLTS WITH LOCKTITE TO 100 FT LBS, INSTALLED DRIVE SHAFT GUARD, INSTALLED NEW COUPLINGS TO PT PUMP AND STEERING PUMP WITH NEW HARDWARE, TORQUED BOLTS TO 45 FTLBS WITH LOCKTITE, INSTALLED COUPLING SHAFT WITH NEW HARDWARE, TORQUED BOLTS WITH LOCKTITE TO 45 FT LBS 12/10/15 6079- INSTALLED AFTER COOLER TUBES TO ENGINE WITH NEW HOSES AND CLAMPS, REMOVED OLD AIR FILTER AND ELEMENT, TOOK AIR CLEANER HOUSING AND COVER TO WASH RACK AND CLEANED OUT, INSTALLED NEW SEAL TO COVER, INSTALLED NEW ELEMENT AND AIR FILTER TO HOUSING AND COVER, INSTALL AIR CLEANER TO ENGINE, CONNECTED AIR LINES TO HOUSING 12/11/15 6079- INSTALLED NEW ELBOW TO AIR CLEANER HOUSING, WITH NEW CLAMPS, INSTALLED HOOD TO MACHINE, CONNECTED AIR CLEANER ELBOW TO SLEEVE, CONNECTED MUFFLER TO SLEEVE, INSTALLED HOOD MOUNT BOLT AND TORQUED TO 350 FT LBS, REMOVED OLD FUEL FILTER AND WATER SEPERATOR, INSTALLED NEW FUEL FILTER AND WATER SEPERATOR, BLEW PROJECTILES THROUGH FUEL LINES 12/12/15 6079- FILLED HYD TANK WITH NEW OIL, FILLED POWERTRAIN WITH NEW OIL, STARTED MACHINE, TOPPED OFF HYD TANK AND POWERTRAIN 12/17/15 6079- INSTALLED SIDE PANELS TO BACK OF HYD TANK AND FUEL FILTERS, INSTALLED TRASH GUARD, INSTALLED COUNTERWIEGHT WITH NEW PINS AND TORQUED MOUNT BOLTS TO 2280 FT LBS, STARTED INSTALLING ENGINE ENCLOSURE 12/18/15 6079- INSTALLED BELLY PANS AND GUARDS, CHANGED HYD, BOTH POWERTRAIN AND STEERING FILTERS					
16	0S-0484	BOLT	S	1.08	
			DISCOUNT 30.00%	.32-	12.16
2	1D-4630	CAP SCREW	S	6.03	
			DISCOUNT 30.00%	1.81-	8.44
1	1R-0749	FUEL FILTER	S	19.35	
			DISCOUNT 30.00%	5.81-	13.54
2	2S-4078	SEAL	S	1.58	3.16
4	3B-2968	CAPSCREW	S	3.90	
			DISCOUNT 30.00%	1.17-	10.92
2	3D-2824	SEAL O RING	S	1.16	2.32
2	3J-1907	SEAL	S	.71	1.42
632	5P-0767	CM-HOSE STK	S	.12	75.84
139	5P-1471	CM-HOSE STK	S	.55	76.45
2	5P-4869	CLAMP	S	5.54	
			DISCOUNT 30.00%	1.66-	7.76
2	5P-6994	CLIP	N	7.83	
			DISCOUNT 30.00%	2.35-	10.96



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**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
6	5P-8247	WASHER	S	.73	
			DISCOUNT 30.00%	.22-	3.06
1	6F-0711	RING	S	1.89	1.89
12	8T-4121	WASHER-HARD	S	.31	
			DISCOUNT 30.00%	.09-	2.64
1-	8T-4984	CLAMP	S	11.03	
			DISCOUNT 30.00%	3.31-	7.72-
2	9M-2904	CLAMP	S	2.64	
			DISCOUNT 30.00%	.79-	3.70
2	9P-4809	BEARING	N	120.69	241.38
1	9Y-5281	HOSE	N	8.57	
			DISCOUNT 30.00%	2.57-	6.00
2	9Z-9304	PIN	N	519.92	1039.84
1	127-0929	CLAMP	S	29.90	
			DISCOUNT 30.00%	8.97-	20.93
1	139-1536	ELEMENT-FILT	S	62.99	
			DISCOUNT 30.00%	18.90-	44.09
4	159-1503	CLAMP	S	6.75	
			DISCOUNT 30.00%	2.03-	18.88
1	186-2002	HOSE-HUMP	S	67.73	67.73
1	206-7340	TUBE	N	403.02	403.02
8	208-7448	CLAMP-T' BOLT	S	6.24	
			DISCOUNT 30.00%	1.87-	34.96
1	212-7548	ELBOW	N	54.67	54.67
1	215-4576	PROJECTILE K	N	20.60	20.60
1	215-4577	PROJECTILE K	N	20.78	20.78
1	215-4578	PROJECTILE K	S	22.14	22.14
1	215-4579	PROJECTILE K	N	28.00	28.00
1	326-1644	FILTER AS,FWS	S	32.69	
			DISCOUNT 30.00%	9.81-	22.88
2	328-3655	ELEMENT AS	S	78.45	
			DISCOUNT 15.00%	11.77-	133.36
2	338-3540	ELEMENT AS	S	96.16	
			DISCOUNT 30.00%	28.85-	134.62
1	343-5527	BOWL AS FUEL	S	25.05	25.05
12	371-8946	CM HOSE BULK	S	.85	10.20
		TOTAL PARTS	SEG. 02		2575.67 *
			F/R LBR		6956.00 *
		SEGMENT 02 TOTAL			9531.67 T

PERFORM PRO-MAJOR ENGINE O/H  
 \*\*\*\*\* QUINN COMPANY PRO WARRANTY  
 \*\*\*\*\*  
 36 MONTHS OR 5,000 HOURS, WHICH EVER OCCURS  
 FIRST.  
 WARRANTY IS SUBJECT TO:  
 -SCHEDULED OIL SAMPLING (S.O.S)  
 -COOLING SYSTEM PERFORMANCE MEETS CAT  
 REQUIREMENTS  
 -OIL COOLER AND RADIATOR TESTING, RECONDITION, OR  
 REPLACEMENT.  
 FOR A COMPLETE COPY OF QUINN COMPANY PRO WARRANTY  
 TERMS AND CONDITIONS, CONTACT YOUR PRODUCT  
 SUPPORT  
 SALES REPRESENTATIVE OR E-MAIL YOUR REQUEST TO  
 PRODUCTSUPPORT@QUINNCOMPANY.COM



10006 Rose Hills Road  
 City of Industry, CA 90601  
 (562) 463-4000  
 www.quinncompany.com

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

**BILL TO:** [REDACTED]

**SHIP TO:**

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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\*\*\*\*\*  
**SERVICE REPAIR NOTES**  
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**CUSTOMER COMPLAINT:**  
 NO COMPLAINT GIVEN.

**CAUSE OF FAILURE:**  
 NO FAILURE

**RESULTANT DAMAGE:**  
 NO FAILURE

**REPAIR PROCESS COMMENTS:**  
 RECEIVED THE ENGINE COMPLETE WITH THE TORQUE AND TWO HYD. PUMPS MOUNTED TO THE ENGINE. WENT TO DRAIN THE OIL, BUT WAS ALREADY DRAINED IN MACHINE REPAIR. ALL OPENINGS WERE RED CAPPED AND THE ENGINE WAS STEAM CLEANED. PHOTO'S WERE TAKEN. MOVED THE ENGINE TO THE DISASSEMBLY AREA, LIFTED THE ENGINE TO REMOVE THE OIL PAN, OIL PUMP AND OIL LINES. SET THE ENGINE DOWN ON BLOCKS AND PROCEEDED TO COMPLETELY DISASSEMBLE THE ENGINE. THE CYLINDER HEAD WAS NOT VISABLY CRACKED. ALL THE PISTONS AND LINERS LOOKED GOOD. ALSO THE ROD AND MAIN BEARINGS WERE STD AND LOOKED NORMAL. WASHED ALL THE PARTS AND INSPECTED. THE PARTS WERE THEN LAYED OUT, PREPPED FOR THE REASSEMBLY. THE CYLINDER BLOCK AND CRANKSHAFT WERE SENT OUT FOR INSPECTION.  
 11/19/2015 RECEIVED THE CYLINDER BLOCK AND CRANKSHAFT BACK FROM THE MACHINE SHOP, I CLEANED AND INSPECTED THEM. BEGAN THE ASSEMBLY PROCEDURE.  
 11/23/2015 ONCE THE ASSEMBLY WAS COMPLETE, THE ENGINE WAS SENT TO THE DYNO FOR TESTING BY ANOTHER TECHNICIAN.  
 11/24/15 9494 ENGINE WAS SET UP FOR DYNO, AND AFTER COMPLETING SETUP I FILLED ENGINE WITH 38 QUARTS OF OIL AND PUMP IN THE COOLANT, AND CHECKED FOR LEAKS. EVERYTHING WAS GOOD NO LEAKS, THEN I CRACKED ENGINE FOR OIL PRESSURE, ONCE I GOT THAT I STARTED RENEGING AND CHECKED FOR LEAKS AGAIN. THEN I PROCESSED WITH WARM UP CYCLE, AFTER THAT CHECK OUT O SET ENGINE TO HIGH IDLE AND STARTED THE DYNO TEST. ENGINE MADE 467 HP @ 1800 RPM AND 1862 TORQUE AT 1250 RPM WHICH IS WITH IN SPEC. AFTER DYNO TEST WAS DONE I CUT OPEN A FILTER AND CHECKED FOR METAL OR ANY OTHER DEBRIS. PUT A NEW OIL FILTER ON AND TOOK A OIL SAMPLE AND THEN TOOK ENGINE OFF DYNO.  
 11/25/15 9494 I PUT THE TORQUE CONVERTER BACK ON AND ALL THE LINE, AND PUT THE HARNESSES ON THE ENGINE I AM WAITING FOR THE PUMPS TO BE FINISHED BY ANOTHER TECHNICIAN

1	QLAB 02	SOS PROBE SAMPLE	S	16.80	16.80
6	OL-1351	CAP SCREW	S	.22	1.32
2	OL-2070	CAP SCREW	S	.59	
		DISCOUNT 30.00%		.18-	.82



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Make: CATERPILLAR  
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 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	OR-5513	CORE AS-OIL	S	1103.77	1103.77
1		CORE CHARGE	S	450.84	450.84
1-		FULL CREDIT	S	450.84	450.84-
2	OS-1590	CAP SCREW	S	.53	1.06
1	OT-0065	CAP SCREW	S	.83	.83
2	1B-3867	BEARING	S	21.13	42.26
1	1B-8705	KEY	S	.50	.50
6	1C-2251	CAP SCREW	S	.49	2.94
1	1H-8647	RING	S	.97	.97
2	1M-4986	TERMINAL	S	1.61	3.22
3	1R-0716	FILTER A,ENG OIL	S	23.29	
		DISCOUNT	15.00%	3.49-	59.40
1	1S-9540	DOWEL-HOLLOW	S	5.56	5.56
1	1S-9799	SEAL-O-RING	S	3.36	3.36
2	1W-4724	CLAMP	S	2.61	5.22
5	2J-3118	BOLT	S	.42	2.10
12	2N-2766	LOCK NUT	S	4.19	50.28
1	2N-8109	CLAMP	S	15.35	15.35
1	2P-1286	LOCKNUT	N	5.43	
		DISCOUNT	30.00%	1.63-	3.80
2	2P-3760	GASKET	S	.71	1.42
2	2P-4305	GASKET	S	1.52	3.04
1	3D-2824	SEAL O RING	S	1.16	1.16
1	3E-4066	FITTING A	S	126.70	
		DISCOUNT	30.00%	38.01-	88.69
3	3J-1907	SEAL	S	.71	2.13
1	3J-7354	SEAL O RING	S	.64	.64
2	3K-1787	GROMMET	N	4.44	8.88
24	3S-2093	TIE	S	.14	
		DISCOUNT	20.00%	.03-	2.64
2	3S-9643	SEAL	S	10.95	21.90
2	4N-0699	GASKET	S	.98	1.96
1	4N-0913	SCREEN	S	37.06	37.06
2	4N-1151	GASKET OIL PAN	S	16.01	32.02
1	4N-1650	DOWEL-SOLID	S	4.95	4.95
4	4N-3841	GASKET	S	.92	3.68
1	4N-4668	BREATHER A	S	40.93	40.93
1	4N-7266	GASKET	S	8.86	8.86
1	4N-7489	SCREEN	N	69.51	69.51
2	4N-8150	SPRING	S	6.69	13.38
6	4P-7428	CLIP	S	3.94	23.64
2	4P-7429	CLIP	S	4.03	8.06
10	4P-7581	CLIP	S	2.76	27.60
7	4P-7582	CLIP	S	5.90	41.30
7	4P-8134	CLIP	S	2.85	19.95
1	5E-8771	O RING	S	15.65	15.65
5	5K-9090	SEAL O RING	S	.95	4.75
26	5M-2894	WASHER	S	.24	6.24
406	5P-0767	CM-HOSE STK	S	.12	48.72
2	5P-0840	SEAL-O-RING	S	3.97	7.94
204	5P-1471	CM-HOSE STK	S	.55	112.20
2	5P-4142	BOLT	S	1.82	3.64
8	5P-4255	BOLT	S	2.83	22.64
2	5P-4325	CLIP	S	7.59	15.18
6	5P-4961	CLAMP	S	2.18	13.08
2	5P-7814	SEAL	S	2.91	5.82
2	5P-8068	SEAL	S	10.70	21.40
4	5P-8245	WASHER-HARD	S	.48	1.92



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Make: CATERPILLAR  
Model: D9T  
Serial No: 0RJS01135  
Equipment No: 1217  
Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

## SERVICE INVOICE

BILL TO:



SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

### INVOICE DETAIL

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
3	6D-1641	CLIP	S	4.73	
		DISCOUNT	30.00%	1.42-	9.93
1	6I-1055	DOWEL	S	3.48	3.48
1	6N-2985	CAP A OIL	S	9.14	9.14
1	6V-0128	SEAL	S	1.73	1.73
1	6V-0852	CAP	S	3.55	3.55
1	6V-1197	SEAL	S	16.24	16.24
1	6V-3683	SEAL O RING	S	5.65	5.65
1	6V-3830	SEAL O RING	S	9.96	9.96
1	6V-3831	SEAL O RING	S	14.32	14.32
2	6V-3965	NIPPLE A	S	17.07	34.14
1	6V-4589	SEAL O RING	S	4.14	4.14
1	6V-5048	SEAL-O-RING	S	2.80	2.80
2	6V-5065	SEAL-O-RING	S	1.54	3.08
5	6V-6609	SEAL	S	.81	4.05
1	6V-7238	VALVE	S	26.82	26.82
2	6V-8397	SEAL	S	.71	1.42
1	6V-8398	SEAL O RING	S	.76	.76
1	6V-8632	CONNECTOR	S	8.38	8.38
2	6V-8636	CONNECTOR	S	4.10	8.20
1	6V-8714	CONNECTOR	S	13.93	13.93
1	6V-9833	PLUG AS	S	12.91	
		DISCOUNT	30.00%	3.87-	9.04
2	6Y-2090	MOUNT AS	S	247.24	494.48
2	7D-7233	CLIP	S	5.33	
		DISCOUNT	30.00%	1.60-	7.46
6	7E-6508	CAP A	S	6.94	41.64
2	7J-6740	TEE	N	8.93	17.86
50	7K-1181	STRAP CABLE	S	.27	13.50
2	7M-8485	SEAL	S	1.34	2.68
4	7S-3916	CLIP	S	1.97	7.88
4	7S-3919	CLIP	S	3.48	13.92
4	7V-6571	GROMMET	S	7.75	31.00
1	7W-0845	GASKET	S	4.18	4.18
1	8C-3089	SEAL FACE	S	11.37	11.37
1	8C-3445	CAP DUST	S	3.55	3.55
1	8C-3446	VALVE	S	16.95	16.95
2	8C-5230	SEAL O RING	S	12.15	24.30
1	8F-8151	COCK-DRAIN	S	12.51	12.51
1	8J-4351	SEAL-O-RING	S	8.77	8.77
1	8M-7066	GASKET	S	1.19	1.19
1	8N-2729	RING-SEAL	S	30.11	30.11
1	8N-2730	RING-SEAL	S	24.03	24.03
6	8S-9191	BOLT	S	.97	5.82
2	8T-1117	CLAMP-HOSE	S	2.83	
		DISCOUNT	30.00%	.85-	3.96
1	8T-1887	CLIP	S	2.29	2.29
1	8T-1888	CLIP	S	1.75	1.75
4	8T-1889	CLIP	S	2.27	9.08
4	8T-1890	CLIP	S	1.92	7.68
8	8T-4984	CLAMP	S	11.03	88.24
1	8T-6876	ELBOW	S	10.16	10.16
2	8T-7751	PAD-HAND	N	3.84	7.68
2	8T-7752	PAD-HAND	S	2.98	5.96
8	8T-9655	MOUNT	S	1.76	14.08
1	9F-8999	CAP SCREW	N	1.72	1.72
2	9G-8140	SPACER	N	12.57	25.14
2	9G-8661	SPACER	N	8.94	17.88



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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
4	9L-8925	BOLT	S	.15	.60
2	9M-0853	PLUNGER	S	18.71	37.42
4	9M-1974	WASHER	S	.21	.84
2	9M-2904	CLAMP	S	2.64	5.28
1	9M-5501	ELBOW	S	4.76	4.76
1	9N-0720	ELBOW	S	120.10	120.10
4	9N-0869	WASHER	S	.41	1.64
1	9N-1941	CLAMP	S	33.56	33.56
2	9N-3666	VALVE A	S	13.93	27.86
3	9S-8004	PLUG	S	5.44	16.32
10	9S-8752	NUT	S	.17	1.70
10	9W-0844	SOCKET	S	.97	9.70
10	9W-0852	PIN	S	.79	7.90
22	9X-6458	WASHER HARD	S	.43	9.46
6	9X-7317	SEAL O RING	S	3.01	18.06
1	9X-7378	SEAL	S	1.29	1.29
2	9X-7385	SEAL	S	2.35	4.70
4	003-7764	END	N	2.45	9.80
1	030-1709	TERMINAL	N	1.61	1.61
1	061-7208	CLAMP	N	5.90	5.90
1	10R-0428	PUMP GP OIL	N	657.31	657.31
1		CORE CHARGE	N	985.97	985.97
1-		FULL CREDIT	N	985.97	985.97-
3	10R-3265	INJ AS FUEL	S	578.86	1736.58
6		CORE CHARGE	S	197.62	1185.72
3-		FULL CREDIT	S	197.62	592.86-
3-		FULL CREDIT	S	197.62	592.86-
1	10R-4622	TURBO GP BAS	N	4448.97	4448.97
1		CORE CHARGE	N	1906.69	1906.69
1-		FULL CREDIT	N	1906.69	1906.69-
1	10R-8658	PUMP G WATER	N	670.16	670.16
1		CORE CHARGE	N	548.31	548.31
1-		FULL CREDIT	N	548.31	548.31-
1	10R-8760	CYL PACK	N	632.42	632.42
1		CORE CHARGE	N	244.90	244.90
5	10R-8760	CYL PACK	N	632.42	3162.10
5		CORE CHARGE	N	244.90	1224.50
1-	10R-8760	CYL PACK	N	632.42	632.42-
1-		FULL CREDIT	N	244.90	244.90-
1	10R-8760	CYL PACK	N	632.42	632.42
1		CORE CHARGE	N	244.90	244.90
6-		FULL CREDIT	N	244.90	1469.40-
1	10R-9789	ALTERNATOR G	S	605.46	605.46
1		CORE CHARGE	S	630.16	630.16
1-		FULL CREDIT	S	630.16	630.16-
1	10R-9815	MOTOR G ELEC	S	667.05	667.05
1		CORE CHARGE	S	694.29	694.29
1-		FULL CREDIT	S	694.29	694.29-
2	100-7399	PLUG	S	9.75	19.50
1	101-3125	GASKET	S	5.16	5.16
1	101-8468	BEARING	S	32.73	32.73
2	104-6202	CLIP LADDER	S	3.97	
		DISCOUNT	30.00%	1.19-	5.56
2	105-8901	GASKET	S	6.21	12.42
12	106-1792	STUD TAPER	S	9.69	116.28
3	107-0583	BOLT LOCKING	S	.11	.33
2	107-5769	SEAL O RING	S	5.03	10.06
2	109-0077	SEAL O RING	S	8.57	17.14



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**SERVICE INVOICE**

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Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	110-8319	RECEIVER AS	S	174.64	
		DISCOUNT	30.00%	52.39-	122.25
1	110-8826	CAP	S	49.33	49.33
1	112-8186	SEAL O RING	S	8.17	8.17
2	113-5304	SEAL	S	13.59	27.18
1	114-5333	SWITCH AS	S	56.83	56.83
40	114-8843	CM SLEEVE	N	.39	15.60
1	117-8801	SEAL O RING	S	16.04	16.04
2	118-1030	HOSE A	N	32.06	
		DISCOUNT	30.00%	9.62-	44.88
3	119-0036	SCREW	S	2.16	6.48
1	125-0434	SEAL	S	13.01	13.01
1	125-5835	FILTER	S	1.90	
		DISCOUNT	15.00%	.29-	1.61
1	125-9794	SEAL-O-RING	S	17.30	17.30
10	126-1756	LOCKING BOLT	S	.16	1.60
2	126-4935	SEAL	S	7.52	15.04
1	130-4698	SLEEVE	S	30.39	30.39
4	130-5300	CLIP	S	13.41	53.64
1	131-7123	BEARING	S	30.67	30.67
2	132-5789	CLIP	S	4.01	
		DISCOUNT	30.00%	1.20-	5.62
1	134-6054	SWITCH GP	S	124.41	124.41
1	140-0860	STRAP AS	N	27.67	27.67
1	142-2329	SEAL-DRAINBA	S	12.66	12.66
1	142-4863	HOSE A	N	31.75	
		DISCOUNT	30.00%	9.53-	22.22
4	144-0367	CLAMP	S	11.31	
		DISCOUNT	30.00%	3.39-	31.68
1	147-7109	HOSE	S	39.79	39.79
1	149-6371	SWITCH AS	S	83.69	83.69
1	152-1035	HOSE AS	N	25.59	
		DISCOUNT	30.00%	7.68-	17.91
1	154-9023	VALVE-SAMPL	S	17.07	17.07
2	157-0095	PULLEY AS-ID	S	61.78	123.56
1	157-0670	CAP-DUST	S	3.55	3.55
4	159-1503	CLAMP	S	6.75	
		DISCOUNT	30.00%	2.03-	18.88
130	159-8048	CM CABLE ELE	N	.16	20.80
2	165-4854	SEAL-O-RING	S	6.62	13.24
3	165-6170	PLUG	S	6.24	18.72
1	167-4407	SEAL-O-RING	S	2.80	2.80
2	171-4358	SEAL-O-RING	S	3.16	6.32
1	173-7178	BELT	S	69.85	69.85
2	175-1367	SPACER	S	5.02	10.04
1	185-6393	WIRE AS	S	21.39	21.39
1	191-8303	SENSOR G-SPD	S	108.16	108.16
1	192-1298	HOSE AS	N	30.74	
		DISCOUNT	30.00%	9.22-	21.52
1	194-6722	SENSOR GP-PR	S	134.04	134.04
1	194-6725	SENSOR GP-PR	S	134.04	134.04
1	197-8006	SEAL-O-RING	S	5.72	5.72
1	20R-1525	PUMP GP F	S	156.73	156.73
1		CORE CHARGE	S	60.97	60.97
1-		FULL CREDIT	S	60.97	60.97-
1	20R-2648	HEAD GP CYL	S	3630.53	3630.53
1		CORE CHARGE	S	3205.84	3205.84
1-		FULL CREDIT	S	3205.84	3205.84-





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**SERVICE INVOICE**

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Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
2	209-8621	BEARING	S	36.76	73.52
2	209-8622	BEARING-SLEE	S	24.98	49.96
2	209-8624	BEARING-SLEE	S	24.98	49.96
1	209-9771	RETAINER AS	N	181.46	181.46
1	210-9246	SEAL-O-RING	S	6.36	6.36
5	214-7566	SEAL-O-RING	S	2.80	14.00
6	214-7568	SEAL-O RING	S	3.10	18.60
3	216-2212	CLAMP-T' BOLT	S	6.60	
		DISCOUNT	30.00%	1.98-	13.86
1	219-0944	FITTING AS.-	N	70.31	
		DISCOUNT	30.00%	21.09-	49.22
1	220-7244	GUIDE AS-OIL	S	86.38	86.38
1	223-5813	BRACKET AS	N	22.83	22.83
6	224-3246	BEARING-ROD	S	31.02	186.12
1	227-1204	GASKET	S	49.13	49.13
2	228-4947	SEAL-O-RING	S	3.68	7.36
1	228-7091	SEAL-O-RING	S	3.58	3.58
1	228-7093	SEAL-O-RING	S	4.20	4.20
6	230-3728	SEAL	S	5.82	34.92
6	230-3775	SEAL	S	7.58	45.48
1	231-2762	ELBOW_REDUCI	N	25.16	25.16
1	231-5210	CLAMP	N	9.63	
		DISCOUNT	30.00%	2.89-	6.74
1	232-1043	PLATE AS	N	61.29	61.29
1	232-4719	HOSE ASSEMBLY	N	95.54	
		DISCOUNT	30.00%	28.66-	66.88
1	236-6560	CABLE AS	S	62.48	62.48
7	238-5080	SEAL-O-RING	S	3.65	25.55
11	238-5081	SEAL-O-RING	S	4.14	45.54
1	238-5084	SEAL-O-RING	S	5.87	5.87
1	239-3478	SENSOR GP-PR	S	134.04	134.04
1	239-5929	HARNES AS	S	609.27	609.27
2	242-9537	SEAL	S	38.17	76.34
18	243-1159	FASTENER	S	5.90	106.20
2	243-2310	COVER	S	1.71	3.42
1	246-6036	HOSE	S	17.25	17.25
2	248-5513	REGULATOR-TE	S	40.18	80.36
2	250-0466	SEAL-O-RING	S	5.82	11.64
3	253-0616	INJECTOR GP-	N	784.52	2353.56
2	253-1752	PLATE-THRUST	S	31.52	63.04
3	264-4297	SENSOR TEMP	S	35.05	105.15
1	267-7252	HOSE ASSEM.	N	41.51	41.51
1	272-0390	SEAL	S	78.73	78.73
1	279-2589	PULLEY AS.	S	99.07	99.07
1	281-2725	VALVE GP	S	25.37	25.37
6	281-8261	SLEEVE AS.-E	S	20.90	125.40
2	284-3502	CLAMP-BAND	S	3.44	6.88
1	310-7147	HOSE AS.	N	48.73	48.73
1	313-9115	TUBE AS	N	119.74	119.74
7	317-8766	BEARING - MA	S	48.53	339.71
4	325-6994	CLIP-HALF SL	N	14.85	59.40
4	325-6995	CLIP-HALF TA	N	15.16	60.64
6	326-4512	MOUNT-FIR TR	S	.79	4.74
1	329-7531	BRACKET AS	N	70.18	70.18
1	341-1429	SEAL-PIP	S	5.96	5.96
4	341-9211	GASKET	S	1.50	6.00
1	343-4835	MOUNT AS	S	251.43	251.43
1	344-2689	KIT-CONTROL	S	169.29	169.29



10006 Rose Hills Road  
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 (562) 463-4000  
 www.quinncompany.com

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	347-7963	TENSIONER-BE	S	196.18	196.18
1	348-3302	KIT-GASKET(F	N	329.96	329.96
1	351-7050	HARNESS AS	N	56.44	56.44
1	353-7957	GROMMET	S	7.84	7.84
12	356-5212	BOLT-12 POIN	S	11.18	134.16
1	359-0908	GASKET-CYL H	S	97.81	97.81
24	359-1439	SEAL AS-WATE	S	3.28	78.72
1	360-1523	HOSE-HUMP	N	35.07	35.07
156	371-8094	CM HOSE BULK	S	.33	51.48
15	371-8115	CM HOSE BULK	S	.45	6.75
57	371-8946	CM HOSE BULK	S	.85	48.45
30	371-8949	CM HOSE BULK	S	1.03	30.90
1	435-5142	FILTER-COOLA	S	14.04	
		DISCOUNT 30.00%		4.21-	9.83
1	435-9420	KIT GASKET	N	198.22	198.22
1	443-7408	KIT GASKET	N	136.03	136.03
70	3007913	OIL-DEO(ULS)	S	3.54	247.80
		TOTAL PARTS		SEG. 03	29667.22 *
				F/R LBR	10998.00 *
		BRASS BARBED HOS			24.10
		HOSE ASSY CHG			60.00
		TOTAL MISC CHGS		SEG. 03	84.10 *
		SEGMENT 03 TOTAL			40749.32 T

ADD CHARGES ENGINE

CUSTOMER COMPLAINT:  
 ADD CHARGES

RESULTANT DAMAGE:  
 1) EX. SHIELD GP  
 2) CAMSHAFT  
 3) ROCKERS  
 4) EXHAUST ELBOW

REPAIR PROCESS COMMENTS:  
 #1 SHIELDING ROTTEN AND COMING APART  
 #2 PITTED CAM LOBES  
 #3 PITTED ROCKER ROLLERS  
 #4 ERODED EX. ELBOW

4	OS-0509	CAP SCREW	S	.18	.72
2	7N-1637	STUD	N	10.53	21.06
1	9G-8140	SPACER	N	12.57	12.57
2	9S-8752	NUT	S	.17	.34
8	9X-6458	WASHER HARD	S	.43	3.44
1	10R-7156	CAMSHAFT A	S	965.74	965.74
1		CORE CHARGE	S	643.84	643.84
1-		FULL CREDIT	S	643.84	643.84-
1	183-5106	COMPRESSOR -	S	719.18	719.18
12	20R-3318	ARM A V ROCK	S	107.61	1291.32
12		CORE CHARGE	S	57.93	695.16
12-		FULL CREDIT	S	57.93	695.16-
6	20R-3322	ARM A UI ROC	S	183.40	1100.40
6		CORE CHARGE	S	98.76	592.56
6-		FULL CREDIT	S	98.76	592.56-
1	227-4119	TUBE AS.	N	591.92	591.92
1	231-1420	HARNESS AS.	N	1008.22	1008.22
1	233-7920	SHIELD AS.	N	402.59	402.59



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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	233-7921	SHIELD AS.	N	402.59	402.59
1	233-7922	SHIELD AS.	N	766.64	766.64
1	233-7923	SHIELD AS.	N	966.34	966.34
1	425-0289	HARNES AS-W	N	150.57	150.57
		<b>TOTAL PARTS</b>		<b>SEG. 04</b>	<b>8403.64 *</b>
M81329637		R:HOT TANK BLOCK			2116.50
		<b>TOTAL MISC CHGS</b>		<b>SEG. 04</b>	<b>2116.50 *</b>
		<b>SEGMENT 04 TOTAL</b>			<b>10520.14 T</b>

-----  
 REMOVE & INSTALL PUMP DRIVE

**CAUSE OF FAILURE:**

CPT REBUILD  
 REPAIR PROCESS COMMENTS:  
 11/07/15 6079- REMOVED ALL PUMPS FROM ENGINE AND SENT TO CRC  
 12/07/15 6079- INSTALLED NEW SEALS TO PUMPS, INSTALLED PUMPS TO ENGINE, TORQUED MOUNT BOLTS TO 200 FT LBS

6	5P-7483	M-SEAL STK	S	14.19	85.14
1	6L-5359	SEAL O RING	S	7.76	7.76
1	6V-5048	SEAL-O-RING	S	2.80	2.80
1	6V-5188	SEAL	S	8.27	8.27
2	7M-8485	SEAL	S	1.34	2.68
1	8C-3089	SEAL-O-RING	S	11.37	11.37
4	8T-4193	BOLT	S	2.44	
				<b>DISCOUNT 30.00%</b>	<b>.73-</b>
1	106-8187	PLUG	S	17.56	17.56
2	130-0229	SEAL-O-RING	S	17.75	35.50
1	165-5030	SEAL-ACL CUP	N	20.18	20.18
2	211-9087	COUPLING AS	S	100.35	200.70
1	220-8678	SEAL	S	.46	.46
		<b>TOTAL PARTS</b>		<b>SEG. 05</b>	<b>399.26 *</b>
				<b>F/R LBR</b>	<b>470.00 *</b>
		<b>SEGMENT 05 TOTAL</b>			<b>869.26 T</b>

PERFORM PRO-BASIC T/CONV O/H

\*\*\*\*\* QUINN COMPANY PRO WARRANTY \*\*\*\*\*

36 MONTHS OR 5,000 HOURS, WHICH EVER OCCURS FIRST.

WARRANTY SUBJECT TO SCHEDULED OIL SAMPLING(S.O.S).

FOR A COMPLETE COPY OF QUINN COMPANY PRO WARRANTY TERMS AND CONDITIONS, CONTACT YOUR PRODUCT SUPPORT

SALES REPRESENTATIVE OR E-MAIL YOUR REQUEST TO PRODUCTSUPPORT@QUINNCOMPANY.COM

\*\*\*\*\*  
 SERVICE REPAIR NOTES  
 \*\*\*\*\*

**CUSTOMER COMPLAINT:**

PERFORMED PRO MAJOR ON TORQUE CONVERTER-

**CAUSE OF FAILURE:**



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 www.quinncompany.com

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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NO FAILURE

**RESULTANT DAMAGE:**

NO DAMAGE

**REPAIR PROCESS COMMENTS:**

RECEIVED TORQUE CONVERTER, START AND COMPLETE  
 DISASSEMBLING TORQUE CONVERTER, PERFORMED  
 INSPECTION, NO PROBLEMS OBSERVED, ORDER BEARING  
 AND SEAL KIT IN ORDER TO PERFORMED A PRO MAJOR  
 REPAIR.

RECEIVED PARTS, START AND COMPLETE ASSEMBLING  
 TORQUE CONVERTER, REPLACING ALL SEALS, BEARINGS,  
 SPRING FOR RELIEF VALVE, PREPARE TORQUE CONVERTER  
 FOR TEST.

1	1W-9860	SPRING	S	8.93	8.93
2	5P-6393	RING-RETAINI	N	24.87	49.74
1	7X-0332	BOLT	S	2.14	2.14
2	8M-4986	SEAL O RING	S	3.47	6.94
1	8M-4992	SEAL O RIN	S	3.69	3.69
1	8M-8157	SEAL O RING	S	1.40	1.40
1	8T-4223	WASHER	S	.48	.48
1	145-7028	SENSOR GP	S	64.38	64.38
3	165-3931	BOLT-HEX HEA	S	.45	1.35
1	230-4190	TUBE AS.	N	64.16	64.16
1	318-1181	SENSOR GP	S	107.63	107.63
1	346-7782	KIT-DT BEARI	N	889.09	889.09
1	346-7783	KIT-DT GASKE	N	364.45	364.45
<b>TOTAL PARTS</b>				<b>SEG. 06</b>	<b>1564.38 *</b>
				<b>F/R LBR</b>	<b>1568.00 *</b>
<b>SEGMENT 06 TOTAL</b>					<b>3132.38 T</b>

**REMOVE & INSTALL TRANSMISSION**

2	3J-1907	SEAL	S	.71	1.42
1	3S-3875	SCREEN	S	51.40	51.40
6	5D-9514	BOLT	N	4.17	
			DISCOUNT 30.00%	1.25-	17.52
4	5P-0597	CLAMP	S	3.82	
			DISCOUNT 30.00%	1.15-	10.68
8	5P-7213	WASHER	S	.22	
			DISCOUNT 30.00%	.07-	1.20
4	5P-8248	WASHER	S	.92	
			DISCOUNT 30.00%	.28-	2.56
8	5P-8249	WASHER	S	1.24	
			DISCOUNT 30.00%	.37-	6.96
6	6C-3210	BOLT	S	6.24	
			DISCOUNT 30.00%	1.87-	26.22
5	6D-1641	CLIP	S	4.73	
			DISCOUNT 30.00%	1.42-	16.55
6	8T-4182	BOLT	S	.89	
			DISCOUNT 30.00%	.27-	3.72
6	8T-4185	BOLT	S	.98	
			DISCOUNT 30.00%	.29-	4.14
1	123-6855	ELEMENT A	S	100.31	
			DISCOUNT 30.00%	30.09-	70.22
1	123-6856	ELEMENT A	S	64.49	
			DISCOUNT 30.00%	19.35-	45.14
1	132-8875	TRANS FILTR	S	42.68	



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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
			DISCOUNT 30.00%	12.80-	29.88
2	147-7109	HOSE	S	39.79	79.58
1	174-4909	VALVE GP-SOL	S	135.14	135.14
264	1556213	BULK TDTO 30W/QT	S	3.89	1026.96
		TOTAL PARTS		SEG. 07	1529.29 *
				F/R LBR	2256.00 *
		SEGMENT 07 TOTAL			3785.29 T

-----  
 PRO MAJOR REPAIR TRANSMISSION

**CUSTOMER COMPLAINT:**

MACHINE WAS BROUGHT IN FOR POWER TRAIN REBUILD

**CAUSE OF FAILURE:**

TO FAILURE

**RESULTANT DAMAGE:**

NO DAMAGE

**REPAIR PROCESS COMMENTS:**

THE TRANSMISSION WAS DISASSEMBLED AND ALL THE PARTS CLEANED. CLUTCH 4,5 HAD HOT SPOTS ON THE PLATES AND WERE REPLACED AND ORDERED ON THE ADD CHARGE SEGMENT. ALL THE BEARING AND SEALS WERE REPLACED ALONG WITH THE RETAINERS CLUTCH SPRING AND VALVE SPRINGS. THE MODULATING VALVES WERE ALSO REPLACED AND ALL THE DISC ACCORDING TO THE PRO-MAJOR. THE ADJUSTMENTS WERE PERFORMED ON THE BEVEL GEAR AND DIFFERENTIAL. THE PLANETARY WAS ASSEMBLED AND CLUTCHES AIR CHECKED FOR LEAKS THE SPEED SENSOR WERE ADJUSTED AND REPLACED. NEW CASE SEALS AND SEALS ON PLUGS WERE REPLACED. THE CONTROL VALVE WAS CLEANED AND ASSEMBLED WITH THE NEW VALVES AND HARNESS. THE TRANSMISSION WAS TESTED THE PRESSURES WERE ALL WITH THE D9T SPECIFICATIONS AND ALL THE DATA WAS SAVED WITH THE DATE AND JOB NUMBER. THE SEGMENT IS COMPLETE

7490	1	OR-4586	CLUTCH PLATE	S	131.12	131.12
	1		CORE CHARGE	S	181.07	181.07
	1-		FULL CREDIT	S	181.07	181.07-
	1	2H-3517	ROLLER A	N	67.43	67.43
	4	3P-7489	PLATE	N	71.93	287.72
	30	3S-2093	TIE	S	.14	4.20
	2	4P-7429	CLIP	S	4.03	8.06
	3	4P-7581	CLIP	S	2.76	8.28
	2	5D-5957	SEAL	S	16.55	33.10
	2	5M-3320	BEARING	S	21.74	43.48
	1	5P-3119	RING-RETAINI	S	11.37	11.37
	1	5P-3150	RING-RETAINI	S	11.88	11.88
	9	5P-8066	SEAL	S	7.09	63.81
	2	5P-9439	BEARING	N	30.76	61.52
	1	5P-9519	SEAL O RING	S	20.87	20.87
	1	6I-8724	LOCK RING	N	6.38	6.38
	2	6J-3473	RING	N	10.04	20.08
	1	6L-9284	SEAL O RING	S	7.01	7.01
	1	6S-1753	RING	S	4.52	4.52
	3	6V-0836	RING	S	12.68	38.04



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 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
2	6V-3965	NIPPLE A	S	17.07	34.14
1	6Y-9058	SHIM PACK	N	146.45	146.45
1	6Y-9065	SHIM PACK	N	103.03	103.03
1	7D-1677	RACE	S	24.87	24.87
12	7H-7658	SPRING	S	8.53	102.36
1	7M-0475	RING	S	10.04	10.04
7	8C-3451	CAP	S	3.55	24.85
1	8C-6761	RING	S	5.31	5.31
4	8E-2729	DISC A	N	252.31	1009.24
2	8H-8819	RACE	N	106.48	212.96
1	8K-2692	RING	S	6.10	6.10
2	8S-9104	RING-RETAINI	S	11.03	22.06
3	8T-1141	RING	S	12.23	36.69
3	9M-9647	SEAL O RING	S	5.08	15.24
5	9W-9856	DISC A	S	252.31	1261.55
2	061-9455	SEAL	S	9.26	18.52
1	106-9212	SPRING	S	9.82	9.82
1	108-2735	RING LOCK	S	30.98	30.98
2	108-2736	RING-LOCK	S	33.14	66.28
2	111-4919	SEAL LIP TYP	S	28.98	57.96
1	118-8586	SEAL-O-RING	S	3.79	3.79
2	118-8706	SEAL O RING	N	5.55	11.10
3	132-5789	CLIP	S	4.01	12.03
1	183-8429	RING	N	1.65	1.65
1	187-0671	BEARING-SLV	N	16.84	16.84
1	191-8304	SENSOR G-SPD	S	118.52	118.52
1	191-8305	SENSOR GP	S	118.52	118.52
2	192-4370	SOLENOID GP	S	454.41	908.82
1	209-0792	SLEEVE-BRG	N	33.81	33.81
5	233-9748	DISC-FRICTIO	S	89.50	447.50
5	234-6707	DISC-FRICTIO	S	57.67	288.35
1	237-0957	SENSOR GP-PR	S	134.04	134.04
5	244-3114	VALVE GP-MDL	S	185.06	925.30
1	268-0208	HARNES AS	N	304.61	304.61
1	346-7541	KIT-DT GASKE	N	891.02	891.02
3	424-3477	SPRING-DISC	N	32.78	98.34
1	441-0432	KIT DT BEARI	N	3140.24	3140.24
TOTAL PARTS			SEG. 08		11481.80 *
SHOP SVC LABOR		67.00 RT HOURS			6231.00
SHOP SVC LABOR		2.75 OT HOURS			255.75
TOTAL LABOR			SEG. 08		6486.75 *
PFI					254.84
TOTAL MISC CHGS			SEG. 08		254.84 *
SEGMENT 08 TOTAL					18223.39 T

RECONDITION RADIATOR  
 REPAIR PROCESS COMMENTS:  
 12/09/15 6079- INSTALLED RAD. CORES WITH NEW SEALS AND GROMMETS, INSTALLED NEW SEAL AND PLUGS FOR OIL COOLER PLATE, INSTALLED HYD OIL COOLER, INSTALLED AFTERCOOLER WITH NEW GROMMETS, HEATED AND QUENCHED THE REMAINDER OF THE HARDNOSE BEARINGS THAT WERE IN THE HARDNOSE AND FRAME, CLEANED BORES, INSTALLED NEW BEARINGS TO HARDNOSE AND FRAME  
 12/10/15 6079- CONNECTED ALL WATER LINES TO BOTTOM TANK  
 12/11/15 6079- REMOVED COOLANT TOP TANK FROM HOOD,



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 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
REMOVED ALL FITTINGS, TOOK TANK OVER TO WASH RACK AND CLEANED OUT, INSTALLED NEW SEALS TO FITTINGS, INSTALLED NEW SIGHT GLASS AND DRAIN VALVE, INSTALLED TANK IN HOOD, CONNECTED WATER LINES TO TOP TANK, FILLED RAD. WITH NEW COOLANT					
17	1P-4278	CLAMP	S	1.10	
		DISCOUNT	30.00%	.33-	13.09
221	5P-1465	CM-HOSE STK	S	.09	19.89
2	5P-9299	CLIP	S	3.36	
		DISCOUNT	30.00%	1.01-	4.70
7	6I-2431	SEAL	S	40.50	283.50
9	6I-2435	SPACER	S	11.69	105.21
190	8C-3681	CM HOSE STK	S	.16	30.40
4	8P-0420	BEARING	S	48.03	192.12
2	8T-4984	CLAMP	S	11.03	
		DISCOUNT	30.00%	3.31-	15.44
1	9N-3666	VALVE A	S	13.93	13.93
8	9W-0330	BEARING	S	30.01	240.08
2	9W-7006	PIN	S	76.07	152.14
1	9Y-9236	BODY AS	S	32.46	32.46
2	103-6293	PIN	N	76.83	153.66
5	106-4572	HOSE	S	4.58	
		DISCOUNT	30.00%	1.37-	16.05
2	108-9372	PLUG	N	6.62	13.24
1	111-7421	CAP	S	3.16	3.16
2	144-0367	CLAMP	S	11.31	
		DISCOUNT	30.00%	3.39-	15.84
1	152-1035	HOSE AS	N	25.59	
		DISCOUNT	30.00%	7.68-	17.91
1	207-1601	LUBRICANT	S	15.50	
		DISCOUNT	20.00%	3.10-	12.40
27	238-8648	COOLANT-ELC	S	11.96	322.92
30	371-8946	CM HOSE BULK	S	.85	25.50
12	371-8949	CM HOSE BULK	S	1.03	12.36
		TOTAL PARTS	SEG. 10		1696.00 *
			F/R LBR		940.00 *
	M81332162	E:LABOR TO CLEAN			1159.71
		TOTAL MISC CHGS	SEG. 10		1159.71 *
		SEGMENT 10 TOTAL			3795.71 T

REMOVE & INSTALL FINAL DR, STRG CL & BRAKE

**CAUSE OF FAILURE:**

CPT REBUILD  
 REPAIR PROCESS COMMENTS:  
 11/07/15 6079- FINISHED CHISELING AWAY DIRT AND DEBRIS FROM TRASH GUARDS ON FINALS, REMOVED TRASH GUARDS, REMOVED SEGMENTS FROM BOTH FINALS, INSTALLED REMOVING TOOL TO BOTH FINALS AND REMOVED FINALS, SENT FINALS TO CRC  
 11/25/15 6079- WENT AND GOT FINAL DRIVE INSTALLING TOOL, REMOVED SEGMENTS FROM BOTH FINALS, INSTALLED INSTALL TOOL TO FINALS, INSTALLED BOTH FINALS TO MACHINE, INSTALLED MOUNTING HARDWARE WITH ANTISIEZE  
 12/11/15 6079- TORQUED FINAL MOUNT BOLT TO 850 FT LBS, CLEANED OFF TRASH GUARDS, INSTALLED TRASH



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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
GUARDS TO FINALS, INSTALLED MOUNT BOLTS TO TRASH GUARDS WITH ANTISIEZE AND TORQUED BOLTS TO 850 FT LBS					
12/12/15 6079- CLEANED OFF AXLE SHAFTS AND INSTALLED TO FINALS, FILLED FINALS WITH NEW OIL					
2	5P-8245	WASHER-HARD	S	.48	
		DISCOUNT	30.00%	.14-	.68
2	9S-1366	BOLT	S	1.13	
		DISCOUNT	30.00%	.34-	1.58
24	1556214	BULK TDTO 50W/QT	S	3.74	89.76
		TOTAL PARTS	SEG. 11		92.02 *
			F/R LBR		1692.00 *
		SEGMENT 11 TOTAL			1784.02 T

RECONDITION FINAL DRIVE

REPAIR PROCESS COMMENTS:

THE FINAL DRIVES DID NOT HAVE A FAILURE IT WAS A POWER TRAIN REBUILD. ALL THE GEARS PINS CARRIERS SPINDAL AND HUB WITH IN THE REUSABLE GUILINES. ALL THE BEARINGS AND SEALS WERE REPLACED THE FINAL DRIVES WERE ASSEMBLED PAINTED AND PUT BY THE SIDE OF THE MACHINE SEG DONE 7490

2	24231	LOCTITE THREADLOCKS		39.70	79.40
2	51144	LOCTITE C5A LUBRICS		9.36	18.72
5	1U-5516	SANDING DISC 2IN	S	1.21	6.05
5	1U-5517	SANDING DISC 3IN	S	2.49	12.45
4	2M-9780	SEAL O RING	S	.94	3.76
12	5D-0353	BOLT	S	1.12	13.44
60	5P-8249	WASHER	S	1.24	74.40
2	6P-5317	RING	N	38.31	76.62
3	6T-0850	WASHER	N	65.82	
		DISCOUNT	30.00%	19.75-	138.21
6	6V-0185	DISC	S	3.67	22.02
2	7G-5675	RING-SEAL	S	34.99	69.98
2	7H-3609	NUT	S	1.41	2.82
2	7T-1248	BOLT	S	3.09	6.18
2	8M-4389	SEAL	S	1.94	3.88
4	9S-8006	PLUG	S	4.45	17.80
2	166-1494	SEAL	S	12.54	25.08
2	166-1496	SEAL-LIP TYP	S	33.61	67.22
1	231-4173	WASHER-THRUS	N	63.14	
		DISCOUNT	30.00%	18.94-	44.20
2	232-2946	KIT-DT BEARI	N	2477.51	4955.02
1	266-9682	COMPOUND WHI	S	6.37	6.37
1	376-4331	KIT-SEAL	N	216.10	216.10
		TOTAL PARTS	SEG. 12		5859.72 *
			F/R LBR		8272.00 *
		NEW CAT YLLW PNT			15.00
		TOTAL MISC CHGS	SEG. 12		15.00 *
		SEGMENT 12 TOTAL			14146.72 T

ADD CHARGES FINAL DRIVE

32	8C-6561	BOLT	S	.27	8.64
32	8T-4224	WASHER	S	.20	6.40
4	189-3063	RETAINER	N	476.98	1907.92
4	189-6244	SEAL-PACKING	S	37.36	149.44





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 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
		<b>TOTAL PARTS</b>	<b>SEG. 13</b>		<b>2072.40 *</b>
		<b>SEGMENT 13 TOTAL</b>			<b>2072.40 T</b>
-----					
<b>RECONDITION STEERING &amp; BRAKING SYSTEM</b>					
<b>REPAIR PROCESS COMMENTS:</b>					
THE BRAKES WERE DISASSEMBLED AND CLEANED. THE PARTS WERE ORDERED FOR A PRO-MAJOR ALL SEALS DISC AND SPRINGS WERE REPLACED. THE BAKE ASSEMBLIES WERE ALSO PRESSURE CHECKED AND CHECKED OPERATION					
SEGMENT COMPLETE 7490					
1	24231	LOCTITE THREADLOCKS		39.70	39.70
4	3T-4717	SPRING	N	201.31	805.24
6	4F-7389	RING	S	2.45	14.70
2	5P-6944	ADAPTER	S	5.28	10.56
2	6V-3965	NIPPLE A	S	17.07	
		<b>DISCOUNT 30.00%</b>		<b>5.12-</b>	<b>23.90</b>
2	9H-3360	SEAL	S	11.43	22.86
16	110-2631	DISC-FRICTIO	N	134.59	2153.44
		<b>TOTAL PARTS</b>	<b>SEG. 14</b>		<b>3070.40 *</b>
		<b>SEGMENT 14 TOTAL</b>		<b>F/R LBR</b>	<b>2256.00 *</b>
					<b>5326.40 T</b>
-----					
<b>REPLACE WITH EXCHANGE TC/TRANS OIL COOLER</b>					
<b>CAUSE OF FAILURE:</b>					
CPT REBUILD					
<b>REPAIR PROCESS COMMENTS:</b>					
11/23/15 6079- REMOVED BONNETS AND TUBE FROM OLD OIL COOLER, CLEANED BOTH BONNETS AND TUBE, INSTALLED BONNETS AND TUBE WITH NEW SEALS AND GASKETS TO REMAN OIL COOLER					
12/07/15 6079- INSTALLED OIL COOLER TO MACHINE, CONNECTED WATER LINES TO NEW OIL COOLER					
1	OR-8411	CORE AS	N	2337.14	2337.14
1		CORE CHARGE	N	954.60	954.60
1-		FULL CREDIT	N	954.60	954.60-
2	1P-3708	SEAL	S	2.83	5.66
1	2H-2665	SEAL	S	3.68	3.68
		<b>TOTAL PARTS</b>	<b>SEG. 16</b>		<b>2346.48 *</b>
		<b>SEGMENT 16 TOTAL</b>		<b>F/R LBR</b>	<b>376.00 *</b>
					<b>2722.48 T</b>
-----					
<b>REMOVE &amp; INSTALL POWER TRAIN OIL PUMP</b>					
<b>CAUSE OF FAILURE:</b>					
CPT REBUILD					
<b>REPAIR PROCESS COMMENTS:</b>					
11/09/15 6079- INSTALLED COMEALONG IN CAB AND HOOKED UP TO POWERTRAIN PUMP, UNBOLTED PUMP, SLOWLY LOWERED PUMP DOWN, SENT PUMP TO CRC					
12/02/15 6079- INSTALLED COMEALONG IN CAB, INSTALLED NEW SEALS TO PT PUMP, HOOKED UP PUMP TO COMEALONG, INSTALLED PUMP TO CASE					
		<b>SEGMENT 17 TOTAL</b>		<b>F/R LBR</b>	<b>1504.00 *</b>
					<b>1504.00 T</b>



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 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

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Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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REMOVE & INSTALL PST OIL PUMP

CAUSE OF FAILURE:

CPT REBUILD  
 REPAIR PROCESS COMMENTS:  
 11/07/15 6079- REMOVED STEERING PUMP FROM ENGINE  
 AND SENT TO CRC  
 12/07/15 6079- INSTALLED STEERING PUMP TO ENGINE  
 WITH SEAL, TORQUED BOLTS TO 200 FT LBS

SEGMENT 18 TOTAL F/R LBR 564.00 \* 564.00 T

RECONDITION PST OIL PUMP

REPAIR PROCESS COMMENTS:  
 RECONDITION TRANSMISSION OIL PUMP  
 RE[PLACED ALL BEARINGS, RINGS, SEALS AND GASKETS  
 ALL GEARS, SHAFTS AND HOUSING WERE GOOD.  
 RECONDITION, GOOD PARTS, CLEAN ANS ASSEMBLE  
 TRANSMISSION OIL PUMP.

1	1M-3780	BEARING	S	17.32	17.32
1	1M-3909	BEARING	S	26.95	26.95
1	2B-9373	KEY	S	.77	.77
2	2H-5549	RING	S	5.80	11.60
7	3J-1907	SEAL	S	.71	4.97
1	3J-7354	SEAL O RING	S	.64	.64
12	3S-0004	WASHER	S	.24	
		DISCOUNT 30.00%		.07-	2.04
2	4J-0520	SEAL-O-RING	S	1.62	3.24
2	4J-0524	SEAL-O-RING	S	2.13	4.26
5	4J-0527	SEAL O RING	S	2.45	12.25
2	5H-4279	PLUG	N	3.01	6.02
2	5M-3320	BEARING	S	21.74	43.48
3	5P-8066	SEAL	S	7.09	21.27
1	6V-1179	SEAL	S	13.13	13.13
1	9M-7539	SEAL O RING	S	5.62	5.62
12	9S-1018	WASHER	S	.20	
		DISCOUNT 30.00%		.06-	1.68
2	9S-8002	PLUG	S	2.91	5.82
9	9X-7378	SEAL	S	1.29	11.61
2	112-1574	SEAL-O-RING	S	5.76	11.52
2	118-8586	SEAL-O-RING	S	3.79	7.58
7	129-1609	SEAL-O-RING	S	8.36	58.52
		TOTAL PARTS			270.29 *

SEGMENT 19 TOTAL F/R LBR 940.00 \* 1210.29 T

ADD CHARGES PST OIL PUMP

REPAIR PROCESS COMMENTS:  
 NO ADD CHARGES

SEGMENT 20 TOTAL .00 T

RECONDITION DIFF STEERING PUMP

REPAIR PROCESS COMMENTS:  
 RECONDITION STEERING PISTON PUMP.  
 REPLACED BEARINGS, SOLINIODS, VALVES, SPRINGS,



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## SERVICE INVOICE

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Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

### INVOICE DETAIL

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QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
<b>SEALS AND GASKETS.</b>					
<b>SHAFT, (9) PISTONS WERE AND BARREL WERE GOOD.</b>					
<b>ALL HOUSINGS GOOD.</b>					
<b>RECONDITION GOOD PARTS.</b>					
<b>CLEAN AND ASSEMBLE STEERING PUMP</b>					
4	1P-3704	SEAL	S	2.03	8.12
4	1P-3705	SEAL	S	2.32	9.28
1	1T-0295	RACE	N	51.67	51.67
1	2H-3517	ROLLER A	N	67.43	67.43
2	2K-4472	O RING	S	4.38	8.76
2	2M-9780	SEAL O RING	S	.94	1.88
6	2S-4078	SEAL	S	1.58	9.48
2	2Y-2347	SEAL	N	.95	1.90
7	3D-2824	SEAL O RING	S	1.16	8.12
1	3E-5006	LOCK RING	N	1.63	1.63
11	3J-1907	SEAL	S	.71	7.81
2	3S-2708	PIN	S	3.69	
		DISCOUNT	30.00%	1.11-	5.16
1	4F-2129	BEARING	N	104.20	104.20
2	4H-6520	RING	S	4.67	9.34
1	4J-0985	BEARING	N	25.95	25.95
1	5I-4275	BEARING	N	206.95	206.95
2	5M-7925	BEARING A	N	18.73	37.46
2	5V-7574	RING	N	21.05	42.10
8	6E-5479	SEAL O RING	S	.61	4.88
1	6F-4718	SEAL	S	4.45	4.45
4	6K-6307	SEAL-O-RING	S	1.76	7.04
6	6M-5062	SEAL O RING	S	.67	4.02
2	6V-5326	RING	S	1.08	2.16
1	6V-5556	SEAL O RING	S	1.12	1.12
9	6V-5586	SEAL-O-RING	S	.64	5.76
2	6V-8002	SEAL	N	15.54	31.08
4	6V-8398	SEAL O RING	S	.76	3.04
7	6V-8400	SEAL-O-RING	S	1.06	7.42
1	6V-8754	RING-EXTERNA	S	2.49	2.49
7	6V-9746	SEAL O RING	S	.87	6.09
2	7Y-5267	RING RETAING	N	4.39	8.78
4	8C-5237	SEAL-O-RING	N	2.45	9.80
2	8E-8310	DISC-THRUST	N	6.31	
		DISCOUNT	30.00%	1.89-	8.84
1	8F-8733	SEAL	S	4.31	4.31
7	8T-0315	SEAL-O-RING	S	1.20	8.40
1	8T-7567	RING	N	9.70	9.70
1	8T-9598	RING	S	4.98	4.98
2	9S-8004	PLUG	S	5.44	10.88
1	9W-6612	RING	N	35.62	35.62
4	085-7539	O RING	N	1.10	4.40
3	087-4772	PLUG	N	2.42	7.26
1	095-0927	RING, SNAP	N	4.64	4.64
4	095-0942	RING, SNAP	N	6.52	26.08
1	111-8514	SHIM	N	43.97	43.97
1	111-8515	SHIM	N	36.60	36.60
1	111-8516	SHIM	N	42.45	42.45
1	111-8517	SHIM	N	43.97	43.97
1	111-8523	BEARING	N	48.03	48.03
2	111-8938	SPRING	N	22.37	44.74
2	111-8947	SPRING	N	10.00	20.00
2	123-7556	CAP	N	4.94	9.88

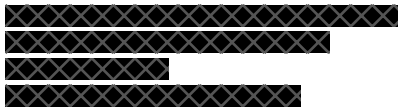


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## SERVICE INVOICE

BILL TO:



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Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

### INVOICE DETAIL

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QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
2	139-2840	SEAL-SHAFT	S	36.45	72.90
7	161-6149	SEAL-O-RING	N	.70	4.90
2	170-9900	PIN	N	3.62	7.24
1	178-4171	SEAL KIT	N	36.22	36.22
2	183-8416	BUSHING	N	10.45	20.90
2	183-8429	RING	N	1.65	3.30
11	187-8001	SEAL	S	.70	7.70
1	192-0942	KEY	N	8.50	8.50
2	196-4254	SPRING	N	1.86	3.72
1	208-1592	HOSE AS.	N	50.32	
		DISCOUNT 30.00%		15.10-	35.22
1	208-9670	RING-RETAIN	N	20.93	20.93
2	245-3530	RING-WEAR	N	7.09	14.18
2	246-0714	RING-SEAL	N	44.90	89.80
2	246-5804	PLUG	N	2.26	4.52
1	247-2730	SPRINGS	N	14.59	14.59
2	247-2753	BEARING	N	238.71	477.42
1	247-7625	SPRING	N	15.50	15.50
1	247-8683	SEAL-SHAFT	N	31.46	31.46
1	262-7701	GASKET	N	5.48	5.48
		TOTAL PARTS		SEG. 21	1994.60 *
				F/R LBR	2820.00 *
		SEGMENT 21 TOTAL			4814.60 T

ADD CHARGES DIFF STEERING PUMP

REPAIR PROCESS COMMENTS:

NO ADD CHARGE PARTS

SEGMENT 22 TOTAL

.00 T

REPLACE DIFF STEERING MOTOR

REPAIR PROCESS COMMENTS:

REPLACE STEERING MOTOR WITH CAT REMAN ( 10R4584 )

TURN IN OLD CORE FOR CORE CREDIT

1	10R-4584	MOTOR GP HYD	N	3063.99	3063.99
1		CORE CHARGE	N	1761.20	1761.20
1-		FULL CREDIT	N	1761.20	1761.20-
		TOTAL PARTS		SEG. 23	3063.99 *

F/R LBR

470.00 \*

SEGMENT 23 TOTAL

3533.99 T

REPLACE IMPLEMENT PUMP

REPAIR PROCESS COMMENTS:

REPLACE IMPLEMENT PUMP WITH A CAT REMAN ( 10R7435 )

)

TURN IN OLD CORE FOR CORE CREDIT

1	10R-7435	PUMP GP HYD	N	3130.44	3130.44
1		CORE CHARGE	N	1799.37	1799.37
1-		FULL CREDIT	N	1799.37	1799.37-
		TOTAL PARTS		SEG. 24	3130.44 *

F/R LBR

188.00 \*

SEGMENT 24 TOTAL

3318.44 T

REPLACE FAN

PUMP

REPAIR PROCESS COMMENTS:



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**INVOICE DETAIL**

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QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
<b>RECONDITION FAN PISTON PUMP.</b>					
<b>REPLACING COMPENATOR VALVE, BEARINGS, SPRINGS, RINGS, SEALS AND GASKETS.</b>					
<b>REOCONDITION SHAFT, PISTONS, BARREL AND HOUSINGS.</b>					
<b>CLEAN AND ASSEMBLE FAN PUMP</b>					
1	1P-6872	CUP	S	10.10	10.10
1	2M-9780	SEAL O RING	S	.94	.94
4	3E-6769	SEAL O RING	N	3.57	14.28
3	3E-6770	SEAL O RING	N	6.88	20.64
1	3P-1210	CONE	S	15.40	15.40
1	6E-3265	SPRING	N	5.03	5.03
2	6E-4003	BEARING	S	20.35	40.70
1	6E-4004	SEAL SHAFT	S	23.03	23.03
1	6J-2245	SEAL O RING	S	4.04	4.04
1	8J-0412	CUP	S	12.88	12.88
4	8T-8442	BOLT	S	2.59	
		DISCOUNT	30.00%	.78-	7.24
1	033-6033	O-RING	S	3.05	3.05
1	109-1779	CONE	S	9.76	9.76
1	191-2128	COIL AS	N	21.20	21.20
1	191-9247	WASHER	S	.55	
		DISCOUNT	30.00%	.17-	.38
1	198-2914	NUT-HEXAGON	S	.22	
		DISCOUNT	30.00%	.07-	.15
1	200-5362	SEAL-O-RING	N	8.49	8.49
1	200-5363	THRUST RING	N	3.93	3.93
1	213-9242	SEAL O RING	N	3.94	3.94
2	280-7870	GASKET	S	11.25	22.50
1	319-6491	SENSOR GP-SP	N	190.72	190.72
1	440-0156	VALVE GP	N	567.48	567.48
<b>TOTAL PARTS</b>				<b>SEG. 25</b>	<b>985.88 *</b>
				<b>F/R LBR</b>	<b>282.00 *</b>
<b>SEGMENT 25 TOTAL</b>					<b>1267.88 T</b>

**REPLACE FAN MOTOR**

**REPAIR PROCESS COMMENTS:**

REPLACE FAN MOTOR WITH A CAT REMAN (10R4577 )  
 TURN IN OLD CORE FOR CORE CREDIT

1	10R-4577	MOTOR GRP	N	2286.08	2286.08
1		CORE CHARGE	N	1314.05	1314.05
1-		FULL CREDIT	N	1314.05	1314.05-
<b>TOTAL PARTS</b>				<b>SEG. 26</b>	<b>2286.08 *</b>
				<b>F/R LBR</b>	<b>564.00 *</b>
<b>SEGMENT 26 TOTAL</b>					<b>2850.08 T</b>

**REPLACE HYDRAULIC HOSES/LINES**

**CAUSE OF FAILURE:**

**CPT REBUILD**

**REPAIR PROCESS COMMENTS:**

11/17/15 6079- REMOVED ALL POWERTRAIN AND HYD HOSES FROM MACHINE  
 11/30/15 6079- BLEW PROJECTILES THROUGH ALL PUMP, LIFT, TILT AND FAN TUBES, INSTALLED LIFT AND TILT TUBES TO DUAL TILT VALVE AND QUIUCK DROP VALVE,



10006 Rose Hills Road  
 City of Industry, CA 90601  
 (562) 463-4000  
 www.quinncompany.com

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
INSTALLED LIFT LINES AND FAN LINES TO RAD. GUARD 12/01/15 6079- STARTED INSTALLING POWERTRAIN, STEERING AND FAN LINES TO MACHINE 12/04/15 6079- FINISHED INSTALLING LIFT LINES, TILT LINES, PUMP LINES, STEERING LINES AND PT LINES 12/07/15 6079- HOOKED UP PUMP LINES TO PUMP, HOOKED UP STEERING LINES TO STEERING PUMP AND MOTOR, HOOKED UP PT LINES TO T/C AND INSTALLED PT OIL COOLER TUBES AND CONNECTED LINES TO TUBES 12/08/15 6079- INSTALLED LIFT LINES AND TILT LINES IN CLAMPSALONG FRAME AND OIL COOLER 12/09/15 6079- CONNECTED LIFT, TILT AND FAN LINES TO FITTINGS ON HARNOSE					
6	1J-7468	CLAMP	N	9.83	
			DISCOUNT 30.00%	2.95-	41.28
1	1S-6420	CLIP	S	5.17	
			DISCOUNT 30.00%	1.55-	3.62
1	2H-3928	SEAL	S	3.83	3.83
2	3H-2652	SEAL	S	3.44	6.88
1	3J-1907	SEAL	S	.71	.71
2	3J-7354	SEAL O RING	S	.64	1.28
1	4H-6520	RING	S	4.67	4.67
4	4J-0527	SEAL O RING	S	2.45	9.80
1	4P-7429	CLIP	S	4.03	
			DISCOUNT 30.00%	1.21-	2.82
1	5K-1770	SEAL O RING	S	7.16	7.16
2	5K-9090	SEAL O RING	S	.95	1.90
8	5P-1076	WASHER	S	.81	
			DISCOUNT 30.00%	.24-	4.56
3	5P-8112	GROMMET	S	18.79	56.37
1	6C-6766	HOSE A	N	113.73	
			DISCOUNT 30.00%	34.12-	79.61
1	6F-4718	SEAL	S	4.45	4.45
3	6V-0852	CAP	S	3.55	10.65
3	6V-3965	NIPPLE A	S	17.07	
			DISCOUNT 30.00%	5.12-	35.85
2	6V-8400	SEAL-O-RING	S	1.06	2.12
3	7D-7233	CLIP	S	5.33	
			DISCOUNT 30.00%	1.60-	11.19
5	7G-3832	GROMMET	S	35.15	175.75
5	7G-5986	GROMMET	S	45.68	228.40
2	7J-9108	SEAL	S	.81	1.62
1	7M-8485	SEAL	S	1.34	1.34
2	8C-3446	VALVE	S	16.95	
			DISCOUNT 30.00%	5.09-	23.72
1	8C-3447	CAP	S	3.55	3.55
1	8C-3451	CAP	S	3.55	3.55
1	8E-9427	HOSE A	N	113.48	
			DISCOUNT 30.00%	34.04-	79.44
1	8E-9428	HOSE A	N	114.50	
			DISCOUNT 30.00%	34.35-	80.15
1	8E-9433	GUARD A	N	186.65	186.65
2	8E-9436	HOSE A	N	101.85	
			DISCOUNT 30.00%	30.56-	142.58
1	8F-8733	SEAL	S	4.31	4.31
1	8T-1891	CLIP	N	2.34	
			DISCOUNT 30.00%	.70-	1.64



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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	8T-1892	CLIP	N	2.03	
			DISCOUNT 30.00%	.61-	1.42
2	8T-1893	CLIP	N	2.27	
			DISCOUNT 30.00%	.68-	3.18
3	8T-1897	CLIP	S	2.94	
			DISCOUNT 30.00%	.88-	6.18
3	8T-1898	CLIP	S	2.25	
			DISCOUNT 30.00%	.68-	4.71
8	8T-4121	WASHER-HARD	S	.31	
			DISCOUNT 30.00%	.09-	1.76
8	8T-4139	BOLT	S	.86	
			DISCOUNT 30.00%	.26-	4.80
6	8T-4182	BOLT	S	.89	
			DISCOUNT 30.00%	.27-	3.72
2	8T-4195	BOLT	S	.63	
			DISCOUNT 30.00%	.19-	.88
2	9W-2877	CLAMP	N	15.54	31.08
1	9W-6261	HOSE A	N	58.71	
			DISCOUNT 30.00%	17.61-	41.10
1	053-0558	CLAMP	N	3.37	
			DISCOUNT 30.00%	1.01-	2.36
1	103-8236	RING	S	2.98	2.98
2	110-5205	TUBE AS	N	336.95	673.90
1	110-5979	HOSE A	N	101.15	
			DISCOUNT 30.00%	30.35-	70.80
2	111-1588	TUBE AS	N	314.84	629.68
1	112-2671	HOSE AS	N	104.36	
			DISCOUNT 30.00%	31.31-	73.05
1	115-9564	HOSE AS	N	83.89	
			DISCOUNT 30.00%	25.17-	58.72
1	118-8138	HOSE AS	N	108.05	
			DISCOUNT 30.00%	32.42-	75.63
1	126-1813	ELEMENT-FILT	S	64.11	
			DISCOUNT 30.00%	19.23-	44.88
1	132-8875	TRANS FILTR	S	42.68	
			DISCOUNT 30.00%	12.80-	29.88
1	146-3672	GUARD	N	326.48	326.48
1	161-0000	HOSE AS	N	83.78	
			DISCOUNT 30.00%	25.13-	58.65
2	165-3726	HOSE AS	N	116.28	
			DISCOUNT 30.00%	34.88-	162.80
1	172-5398	HOSE AS	N	32.39	
			DISCOUNT 30.00%	9.72-	22.67
1	193-7004	HOSE AS.	N	94.65	
			DISCOUNT 30.00%	28.40-	66.25
1	200-2354	HOSE AS.	N	98.27	
			DISCOUNT 30.00%	29.48-	68.79
1	208-1539	HOSE AS.	N	166.92	
			DISCOUNT 30.00%	50.08-	116.84
1	208-1540	HOSE AS.	N	165.49	
			DISCOUNT 30.00%	49.65-	115.84
1	208-1542	NO DESCRIPTION	N	193.11	
			DISCOUNT 30.00%	57.93-	135.18
1	208-1545	HOSE AS.	N	119.45	
			DISCOUNT 30.00%	35.84-	83.61
1	208-1546	NO DESCRIPTION	N	192.23	
			DISCOUNT 30.00%	57.67-	134.56
1	208-1547	HOSE AS.	N	120.33	

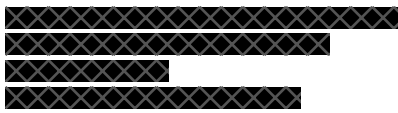


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Make: CATERPILLAR  
Model: D9T  
Serial No: 0RJS01135  
Equipment No: 1217  
Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

## SERVICE INVOICE

BILL TO:



SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

### INVOICE DETAIL

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	208-1553	HOSE AS.	DISCOUNT 30.00% N	36.10- 115.58	84.23
1	208-1554	HOSE AS.	DISCOUNT 30.00% N	34.67- 138.06	80.91
1	208-1555	HOSE AS.	DISCOUNT 30.00% N	41.42- 320.25	96.64
1	208-1559	HOSE AS.	DISCOUNT 30.00% N	96.08- 50.70	224.17
1	208-1568	HOSE ASSY	DISCOUNT 30.00% N	15.21- 92.10	35.49
1	208-1574	HOSE AS.	DISCOUNT 30.00% N	27.63- 111.95	64.47
1	208-1578	HOSE AS.	DISCOUNT 30.00% N	33.59- 233.45	78.36
1	208-1579	HOSE AS.	DISCOUNT 30.00% N	70.04- 222.94	163.41
1	208-1587	HOSE AS.	DISCOUNT 30.00% N	66.88- 132.97	156.06
1	208-1592	HOSE AS.	DISCOUNT 30.00% N	39.89- 50.32	93.08
1	208-1594	HOSE AS.	DISCOUNT 30.00% N	15.10- 54.29	35.22
1	211-1067	ELBOW	DISCOUNT 30.00% N	16.29- 193.03	38.00
1	211-5436	HOSE AS.	DISCOUNT 30.00% N	41.80- 12.54-	193.03
2	211-9957	HOSE AS.	DISCOUNT 30.00% N	112.83- 33.85-	29.26
1	211-9958	HOSE AS.	DISCOUNT 30.00% N	113.43- 34.03-	157.96
1	213-6495	HOSE AS.	DISCOUNT 30.00% N	46.94- 14.08-	79.40
1	217-7109	HOSE AS.	DISCOUNT 30.00% N	40.71- 12.21-	32.86
1	224-4275	HOSE AS.	DISCOUNT 30.00% N	42.60- 12.78-	28.50
1	224-6838	HOSE AS.	DISCOUNT 30.00% N	54.83- 16.45-	29.82
1	224-6853	HOSE AS.	DISCOUNT 30.00% N	178.06- 53.42-	38.38
1	224-6857	HOSE AS.	DISCOUNT 30.00% N	55.94- 16.78-	124.64
1	226-2499	HOSE AS.	DISCOUNT 30.00% N	43.17- 12.95-	39.16
1	226-2500	HOSE ASSY	DISCOUNT 30.00% N	73.38- 22.01-	30.22
1	228-9112	HOSE AS.	DISCOUNT 30.00% N	129.40- 38.82-	51.37
1	238-0376	HOSE AS.	DISCOUNT 30.00% N	41.15- 12.35-	90.58
1	261-4380	HOSE AS.	DISCOUNT 30.00% N	60.69- 18.21-	28.80
1	267-4573	HOSE ASSY	DISCOUNT 30.00% N	117.72- 35.32-	42.48
1	276-3999	HOSE AS.	DISCOUNT 30.00% N	188.64- 56.59-	82.40
1	302-8442	HOSE AS	DISCOUNT 30.00% N	176.58- 52.97-	132.05
					123.61





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**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	302-8443	HOSE AS.	N	135.39	
		DISCOUNT 30.00%		40.62-	94.77
1	331-1079	HOSE AS.	N	77.62	
		DISCOUNT 30.00%		23.29-	54.33
		<b>TOTAL PARTS</b>	<b>SEG. 27</b>		<b>6907.49 *</b>
			<b>F/R LBR</b>		<b>2256.00 *</b>
		HOSE ASSY CHG			1070.00
		PFI			150.59
		<b>TOTAL MISC CHGS</b>	<b>SEG. 27</b>		<b>1220.59 *</b>
		<b>SEGMENT 27 TOTAL</b>			<b>10384.08 T</b>

-----  
 INSTALL UNDERCARRIAGE  
 REPAIR PROCESS COMMENTS:  
 BLOCK UP MACHINE ,REMOVE TRACKS AND SWING FRAMES.  
 CLEANED FRAMES AND REMOVED ROLLERS ,IDLERS ,PIVOT  
 SEALS ,MINOR PIN COVERS ,MAJOR PIN COVERS  
 ,REMOVED FRONT FRAME FROM REAR FRAME  
 ,DISASSEMBLED TRACK ADJUSTER ,REMOVED BOGIE PADS  
 AND FRONT SEALS AND BEARINGS. INSPECTED ALL BORES  
 ,BEARINGS AND PINS. REMOVED ALL 32 CARTRIDGE  
 PINS. EXTRA CLEANING WAS REQUIRED DUE TO THIS  
 MACHINE BEING IN A WASTE HANDLING APPLICATION.  
 REMOVED E BAR PADS. HAD TO BUILD AND GRIND 1  
 TRACK GUIDE MOUNT. REPLACED 3 TRACK GUIDES.  
 REPAIRED ONE TRACK ADJUSTER PISTON AND REPLACED  
 ANOTHER AS PER CUSTOMER REQUEST. REPLACED ALL  
 CARTRIDGE PINS. REUSED ALL BOGIE PADS. REPLACED  
 WASTE HANDLER SEAL GUARDS ON PIVOT SHAFT.  
 REPLACED E BAR PADS. INSTALLED FRONT SEALS AND  
 BEARINGS. ASSEMBLED TRACK ADJUSTERS WITH NEW  
 SEALS AND WEAR RINGS AND INSTALLED IN THE FRONT  
 ROLLER FRAME. INSTALLED FRONT ROLLER FRAME IN  
 REAR ROLLER FRAME. INSTALLED ROLLER FRAMES ON THE  
 MACHINE. WRAPPED TRACKS. TOOK BLOCKING AND  
 CRIBBING OUT FROM UNDER MACHINE. ADJUSTED TRACKS.  
 FILLED FRAMES AND PIVOT SHAFT CAVITIES WITH OIL  
 12/12/15 6079- INSTALLED NEW PADS TO EQ BAR,  
 REMOVED OLD EQ BAR SEALS, CLEANED EQ BAR BORES,  
 INSTALLED NEW EQ BAR SEALS WITH GASKET MAKER  
 12/14/15 6079- INSTALLED SEALS TO PIVOT SHAFT SEAL  
 PLATES ON BOTH ROLLER FRAMES, INSTALLED ROLLER  
 FRAMES TO MACHINE, INSTALLED PIVOT SHAFT MOUNT  
 BOLTS AND TORQUED BOLTS TO 100 FT LBS, INSTALLED  
 PIVOT SHAFT GUARD, INSTALLED PIN TO CONNECT  
 ROLLER FRAME TO EQ BAR, INSTALLED CLAMP BOLTS AND  
 TORQUED BOLTS TO 1180 FT LBS, INSTALLED RING AND  
 RETAINING PLATES WITH NEW SEALS, INSTALLED  
 RETAINING PLATE BOLTS AND TORQUED TO 250 FT LBS,  
 INSTALLED PIVOT SHAFT PLATE WITH NEW SEAL AND  
 SNAP RING, FILLED PIVOT SHAFT AND ROLLER FRAMES  
 WITH NEW OIL, INSTALLED BOTH TRACKS, CONNECTED  
 ZIPPER LINKS AND INSTALLED MASTER PADS AND  
 MOUNTING HARDWARE, TORQUED MASTER PAD BOLTS TO  
 650 FT LBS AND ADDITIONAL 120 DEGREE TURN,  
 TIGHTEN TRACKS AND TOPPED OFF ROLLER FRAMES WITH  
 NEW OIL

2 15608 BRAK/PARTS CLEANERS 6.38 12.76



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**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
2	28754	LOCTITE PIPE SEAL	S	21.90	43.80
1	38364	LOCTITE SEALANT	S	26.96	26.96
2	51008	LOCTITE C5A LUBRICS		47.87	95.74
1	60931	LOCTITE RETAIN COMS		38.20	38.20
16	1D-4608	CAP SCREW	S	4.59	
		DISCOUNT	30.00%	1.38-	51.36
6	1K-6872	NUT	S	.59	
		DISCOUNT	30.00%	.18-	2.46
6	1M-8653	RING	N	10.42	62.52
2	1P-9254	RING	S	25.80	51.60
2	1Q-3627	GUARD	N	110.84	221.68
2	1U-9939	BRUSH END	S	8.23	16.46
20	2B-0947	BOLT	S	1.74	
		DISCOUNT	30.00%	.52-	24.40
4	2K-4472	O RING	S	4.38	17.52
4	2M-3530	BOLT	S	20.91	
		DISCOUNT	30.00%	6.27-	58.56
2	2S-5926	RELIEF VALVE	S	7.80	15.60
2	3B-8489	ADAPTER STR	S	.96	1.92
4	3J-4278	SPACER	S	2.27	9.08
4	3S-1356	NUT	S	3.27	
		DISCOUNT	30.00%	.98-	9.16
2	4C-8517	WHEEL FLAP	S	7.47	
		DISCOUNT	20.00%	1.49-	11.96
6	4C-8630	BRUSH FLAP	S	18.67	112.02
2	4C-8638	DISC GRIND	S	20.54	41.08
2	4D-4508	SEAL O RING	S	9.50	19.00
12	5C-6565	BOLT	S	.57	
		DISCOUNT	30.00%	.17-	4.80
4	5F-1678	SEAL	S	1.36	5.44
2	5H-6734	SEAL-O-RING	S	3.90	7.80
8	6T-0481	RING	S	17.59	140.72
2	6V-6900	SEAL	S	120.03	240.06
17	7G-0343	NUT	S	1.86	31.62
1	7G-5221	PLATE	S	44.87	44.87
2	7J-6580	RING	S	7.05	14.10
1	7T-5351	PISTON	N	907.62	907.62
2	7T-8004	RING	N	38.07	76.14
32	7T-9307	PIN A	S	342.23	10951.36
8	7X-0328	BOLT	S	1.68	
		DISCOUNT	30.00%	.50-	9.44
4	7X-0531	WASHER	S	2.83	
		DISCOUNT	30.00%	.85-	7.92
4	7X-0590	WASHER	S	2.84	
		DISCOUNT	30.00%	.85-	7.96
4	8C-6857	BOLT	S	2.91	
		DISCOUNT	30.00%	.87-	8.16
16	8S-4755	BOLT	S	2.71	
		DISCOUNT	30.00%	.81-	30.40
2	8T-0208	SEAL	S	403.38	806.76
32	8T-4223	WASHER	S	.48	
		DISCOUNT	30.00%	.14-	10.88
6	8T-4835	BOLT	S	.97	
		DISCOUNT	30.00%	.29-	4.08
4	8T-4994	WASHER	S	.94	
		DISCOUNT	30.00%	.28-	2.64
1	8T-5071	RECOIL SEAL GUARD	S	20.79	20.79
8	8T-9389	BOLT	S	1.34	



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Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
			DISCOUNT 30.00%	.40-	7.52
2	9G-0296	BEARING	S	106.20	212.40
2	9G-1696	PAD A	S	254.34	508.68
2	9G-1697	PAD A	S	318.19	636.38
32	9G-7516	PLUG	S	3.00	96.00
2	9M-5894	SEAL O RING	S	5.99	11.98
4	9P-7255	RING	N	10.84	43.36
2	9X-4586	SEAL A	N	335.50	671.00
3	9X-7505	SEAL AS	S	52.53	157.59
16	067-3161	RING	S	8.05	128.80
1	127-3422	SEAL AS-LOW	N	52.53	52.53
4	133-5631	PLUG	S	12.30	49.20
2	184-4395	GUIDE	S	83.31	166.62
4	190-8609	VALVE FILL	S	14.64	58.56
2	203-9382	GUARD-SEAL	S	17.21	34.42
2	222-3123	OIL-PENETRAT	S	5.65	11.30
8	236-8105	DISC ABRASIV	S	6.26	50.08
1	267-6532	TOWELS	S	4.64	
			DISCOUNT 20.00%	.93-	3.71
2	306-9441	CAP AS	N	95.46	190.92
110	1556213	BULK TDTO 30W/QT	S	3.89	427.90
57	1556214	BULK TDTO 50W/QT	S	3.74	213.18
		TOTAL PARTS		SEG. 28	18009.53 *
				F/R LBR	12354.00 *
		NEW CAT YLLW PNT			255.00
		SANDBLST MATL			84.00
		TOTAL MISC CHGS		SEG. 28	339.00 *
		SEGMENT 28 TOTAL			30702.53 T

-----  
**INSPECT AND ADVISE UNDERCARRIAGE**  
**REPAIR PROCESS COMMENTS:**  
 (9528/8291) INSPECTED TWIST LOCK BORES AND TWIST LOCKS, ALL FALL WITHIN THE CAT REUSABILITY GUIDELINES. PIVOT BEARINGS, BORES (IN ROLLER FRAMES AND MAIN FRAME) AND SHAFT ARE ALL WITH CAT REUSABILITY GUIDELINES. FOUND 5 MAJOR AND 6 MINOR CARTRIDGE PINS THAT WERE BAD BUT RECOMMEND REPLACING ALL CARTRIDGE PINS BECAUSE ALL ARE STAMPED WITH DATES FROM 2008. BEARINGS AND SEALS NEED REPLACED IN FRONT OF MAIN ROLLER FRAME BUT BORES ARE OKAY. BOGIE PADS ALL MEET REQUIREMENTS OF CAT REUSABILITY GUIDELINES. THE CYLINDER AND SLEEVE FOR THE TRACK ADJUSTER ARE GOOD BUT THE PISTON HAS MAJOR SCARING AND RECOMMEND REPLACING. EQUALIZER BAR CENTER PIN IS GOOD BUT NEEDS NEW SEALS ON THE ENDS AS WELL AS PADS.

SEGMENT 29 TOTAL F/R LBR 576.00 \*  
 576.00 T

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**REMOVE & INSTALL LIFT/HOIST CYLINDER**  
**REPAIR PROCESS COMMENTS:**  
 12/10/15 6079- INSTALLED LIFT CYLINDER TO HARDNOSE, TORQUED BOLTS TO 350 FT LBS, INSTALLED LIFT CYL LINES TO QUICK DROP VALVE AND LIFT CYLS

F/R LBR 564.00 \*



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Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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 SEGMENT 30 TOTAL 564.00 T

REPLACE GASKET/RESEAL LIFT/HOIST CYLINDER

CUSTOMER COMPLAINT:  
 CYLINDER DRIFTS TOO FAST. CYLINDER OIL LEAKS.

CAUSE OF FAILURE:  
 WORN OUT CYLINDER HEAD AND PISTON SEALS. BAD  
 SCRATCHES ON CYLINDER RODS AND MINOR SCRATCHES  
 INSIDE SURFACE OF BARREL.

RESULTANT DAMAGE:  
 CYLINDER DRIFTS AND OIL LEAKS.  
 REPAIR PROCESS COMMENTS:  
 OPEN CYLINDER AND SEND BOTH ROD OUT FOR CHROMING.  
 HONNED BOTH BARREL AND RESEAL BOTH HEAD AND  
 PISTON. REASSEMBLE BOTH CYLINDER AND TEST.

2	319-3558	KIT-SEAL-H.C	S	139.19	278.38
TOTAL PARTS				SEG. 31	278.38 *
				F/R LBR	1504.00 *
	M81329332	A:2 RODS 3 X67			1066.40
TOTAL MISC CHGS				SEG. 31	1066.40 *
SEGMENT 31 TOTAL					2848.78 T

REPLACE GASKET/RESEAL TILT CYLINDER

4	1U-2182	BEARING	S	50.10	200.40
4	2H-3932	SEAL	S	1.45	5.80
2	6V-0185	DISC	S	3.67	
				DISCOUNT 20.00%	.73-
					5.88
2	7J-3297	BEARING	N	342.61	685.22
2	8T-8382	SEAL	S	7.62	15.24
2	8T-9044	RING	S	24.34	48.68
2	245-6835	KIT-SEAL-H.C	S	195.34	390.68
TOTAL PARTS				SEG. 32	1351.90 *
				F/R LBR	1504.00 *
SEGMENT 32 TOTAL					2855.90 T

TEST AFTER REPAIRS MACHINE

CAUSE OF FAILURE:  
 CPT REBUILD  
 REPAIR PROCESS COMMENTS:  
 12/14/15 6079- RAN MACHINE AND GOT OILS TO  
 OPERATING TEMPATURE STARTED TESTING AND ADJUSTING  
 MACHINE  
 FAN PUMP PRESSURES  
 MAXIMUM MECHANICAL HIGH PRESSURE- SPEC: 2275 +OR-  
 125 PSI ACT: 2295 PSI  
 MINIMUM PUMP PRESSURE- SPEC: 265 +OR- 35 PSI ACT:  
 296 PSI  
 MAXIMUM CONTROLLED FAN PUMP PRESSURE- SPEC: 1100  
 +25 -0 RPMS ACT: 1100 RPMS AT 2094.9 PSI  
 STEERING PRESSURE  
 HIGH PRESSURE STALL- RIGHT SPEC: 5825 +OR- 175 PSI  
 ACT: 5900 PSI



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 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

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QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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LEFT SPEC:

5825 +OR- 175 PSI ACT: 5900 PSI  
 CHARGE PRESSURE- SPEC: 400 +OR- 20 PSI ACT: 400  
 PSI  
 CROSSOVER RELIEF AND MAKEUP VALVE- SPEC: 1600 PRMS  
 - 30 RPMS ACT: 1620 RPMS TO 1595 RPMS  
 MECHANICAL NEUTRAL POSITION FOR THE ACTUATOR  
 PISTON- SPEC FOR X1 & X2 PORTS: 400 +OR- 20 PSI  
 ACT: X1 & X2 400 PSI  
 POWERTRAIN PRESSURE  
 PRIORITY VALVE- HIGH PRESSURE WITH OIL COLD SPEC:  
 390 +OR- 7 PSI ACT: 385 PSI  
 LOW PRESSURE WITH OIL  
 HOT SPEC: 145 +OR- 15 PSI ACT: 145 PSI  
 TRANSMISSION RELIEF VALVE- SPEC: 390 +OR- 7 PSI  
 ACT: 385 PSI  
 T/C INLET PRESSURE- SPEC OIL COLD: 130 +OR- 10 PSI  
 ACT: 135 PSI  
 T/C OUTLET PRESSURE- SPEC: 75 +OR- 10 PSI ACT: 80  
 PSI  
 TRANSMISSION LUBE PRESSURE- SPEC HIGH IDLE: 18  
 +OR- 3 PSI ACT: 20 PSI  
 SPEC LOW IDLE: 1.2 +OR- 0.4 PSI ACT: 1 PSI  
 FLYWHEEL LUBE PRESSURE- SPEC HIGH IDLE: 45 +OR- 7  
 PSI ACT: 42 PSI  
 SPEC  
 LOW IDLE: 30 +OR- 7 PSI ACT: 35 PSI  
 BRAKE PRESSURE- SPEC HIGH IDLE: 390 +OR- 7 PSI  
 ACT: 390 PSI  
 SPEC LOW IDLE: 350  
 +OR- 7 PSI ACT: 350 PSI  
 DONE TRANSMISSION FILL CALIBRATIONS  
 DONE BRAKE TOUCH UP  
 12/15/156079- RAN MACHINE TO GET OPERATING  
 TEMPATURE FINISHING TEST AND ADJUSTING MACHINE  
 IMPLEMENT PUMP PRESSURE  
 LOW PRESSURE STANDBY- SPEC: 413 +OR- 108 PSI ACT:  
 450 PSI  
 MARGIN PRESSURE- SPEC: 305 +OR- 25 PSI ACT: 310  
 PSI  
 HIGH PRESSURE CUTOFF- SPEC: 3800 +OR- 75 PSI ACT:  
 3850 PSI  
 12/17/15 6079- TOOK MACHINE TO WASH RACK AND  
 STEAMED OFF, RAN MACHINE FOR 2 HRS, BROUGHT BACK  
 TO SHOP CHECKED FOR LEAKS

SEGMENT 33 TOTAL .00 T

-----  
 REMOVE FIRE SUPPRESSION SYSTEM

CAUSE OF FAILURE:

CPT REBUILD  
 REPAIR PROCESS COMMENTS:  
 11/09/15 6079- REMOVED FIRE SPPRESSION FROM  
 MACHINE

SEGMENT 34 TOTAL

F/R LBR

564.00 \*  
 564.00 T



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 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
<b>INSTALL QUICK FILL SYSTEM</b>					
<b>CUSTOMER COMPLAINT:</b>					
MODIFY QUICK FILL WINDER PER CUSTOMER .					
<b>CAUSE OF FAILURE:</b>					
INSTALL OF QUICK FILL PER CUSTOMER					
REPAIR PROCESS COMMENTS:					
12/02/15 6079- REMOVED COVER PLATES FROM FUEL TANK, CLEANED MOUNTING SURFACES, INSTALLED VENT WITH NEW SEAL AND VENT HOSE, CONNECTED SHUTOFF VALVE TO VENT HOSE, INSTALLED SHUTOFF VALVE WITH NEW SEAL, INSTALLED QUICK FILL HOSE TO SHUTOFF VALVE, INSTALLED QUICK FILL ADAPTER TO BLOCK, INSTALLED BLOCK TO QUICK FILL HOSE(6416) MODIFY QUICK FILL WINDER PER CUSTOMER . LAY OUT WINDER AS REQUIRED BY CUSTOMER , THEN FLAME CUT TO OPEN QUICK FILL WINDER , CLEAN UP ALL WORK AREAS THEN CUT FLAT BAR CLEAN UP AND INSTALL FOR BACK UP PLATES DRILL BOLT HOLE FOR 1/2 WIND NUT . THEN INSTALL THE QUICK FILL WIWINDERITH TWO EACH HINGE.					
2	1J-9671	SEAL O RING	S	.67	1.34
4	1P-4582	FLANGE	S	12.54	50.16
1	1Q-3160	HOSE AS	N	499.72	
		DISCOUNT	30.00%	149.92-	349.80
1	3E-6773	SEAL O RING	S	16.08	16.08
1	4D-6082	BOLT	N	33.35	
		DISCOUNT	30.00%	10.01-	23.34
2	4J-0527	SEAL O RING	S	2.45	4.90
1	4L-6454	BOLT	S	.27	
		DISCOUNT	30.00%	.08-	.19
4	5P-2566	BOLT	S	.70	
		DISCOUNT	30.00%	.21-	1.96
2	5P-2618	CONNECTOR	N	3.21	6.42
1	6V-2686	CLIP	N	2.36	
		DISCOUNT	30.00%	.71-	1.65
1	6V-8801	NUT	S	.20	
		DISCOUNT	30.00%	.06-	.14
1	6Y-0091	BLOCK A	N	378.98	378.98
2	7X-0340	BOLT	N	3.08	
		DISCOUNT	30.00%	.92-	4.32
12	8T-4121	WASHER-HARD	S	.31	
		DISCOUNT	30.00%	.09-	2.64
1	8T-4133	NUT	S	.24	
		DISCOUNT	30.00%	.07-	.17
6	8T-4136	BOLT	S	.69	
		DISCOUNT	30.00%	.21-	2.88
4	8T-4184	BOLT	S	1.27	
		DISCOUNT	30.00%	.38-	3.56
10	8T-4223	WASHER	S	.48	
		DISCOUNT	30.00%	.14-	3.40
2	8T-4896	WASHER	S	.25	
		DISCOUNT	30.00%	.08-	.34
4	8T-8919	BOLT	S	.81	
		DISCOUNT	30.00%	.24-	2.28
1	9X-7287	SEAL O-RING	S	16.99	16.99
6	105-3484	BOLT	N	3.04	



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 Equipment No: 1217  
 Machine ID No: Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
			DISCOUNT 30.00%	.91-	12.78
1	163-5456	HOSE AS	N	26.75	
			DISCOUNT 30.00%	8.03-	18.72
1	252-5805	VENT AS	N	680.84	680.84
1	252-5806	VALVE AS	N	399.61	399.61
1	376-0929	RECEIVER	S	183.04	183.04
1	388-4327	COVER	S	55.69	55.69
TOTAL PARTS			SEG. 35		2222.22 *
			F/R LBR		752.00 *
SEGMENT 35 TOTAL					2974.22 T

INSTALL ACCESS PANEL  
 QUICK FILL

REPAIR PROCESS COMMENTS:  
 GOT MACHINE BACK FROM PAINT SHOP AND INSTALLED ALL  
 PANELS.

F/R LBR 752.00 \*  
 SEGMENT 36 TOTAL 752.00 T

REPLACE CAB DOOR  
 WEATHER STRIPPING

REPAIR PROCESS COMMENTS:  
 REPLACED ALL DOOR WEATHER SEALS.

1	6V-5851	BLADE A	S	17.56	17.56
1	146-6346	CLIP	S	.97	
			DISCOUNT 30.00%	.29-	.68
1	175-3761	ARM AS-WIPER	S	45.85	45.85
1	200-1103	SPACER	N	8.71	8.71
830	364-1427	CM SEAL-BULK	N	.14	116.20
TOTAL PARTS			SEG. 38		189.00 *

F/R LBR 288.00 \*  
 SEGMENT 38 TOTAL 477.00 T

REMOVE & INSTALL HYDRAULIC TANK

CAUSE OF FAILURE:

CPT REBUILD  
 REPAIR PROCESS COMMENTS:  
 11/12/15 6079- REMOVED PANEL INSIDE CAB TO GET TO  
 HOSES ON BACK OF HYD TANK, HAD TO DIG AND SCRAP  
 DIRT AND TRASH AWAY TO GET TO HOSES AND BOLTS,  
 REMOVED HOSES FRO HYD TANK, REMOVED REAR COVER TO  
 GET TO SENSOR AND MOUNT BOLT OF HYD TANK, HAD TO  
 DIG AND SCRAP DIRT AND TRASH AWAY TO GET TO  
 SENSOR AND BOLT, REMOVED MOUNT BOLTS AND REMOVED  
 HYD TANK FROM MACHINE  
 12/03/15 6079- SCRAPPED OFF OLD STICKY RESIDUE  
 FROM TRASH SEAL ON TANK, INSTALLED NEW TRASH SEAL  
 TO HYD TANK, INSTALLED HYD TANK TO TO FENDER

F/R LBR 1128.00 \*  
 SEGMENT 39 TOTAL 1128.00 T

REPLACE GASKET/RESEAL HYDRAULIC TANK



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 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

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**INVOICE DETAIL**

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QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
<b>CAUSE OF FAILURE:</b>					
CPT REBUILD					
REPAIR PROCESS COMMENTS:					
11/13/15 6079- TOOK HYD TANK OVER WASH RACK AND STEAMED OFF, BROUGHT BACK TO SHOP, DISASSEMBLED HYD TANK, CLEANED AND INSPECTED PARTS TO HYD TANK, CLEANED INSIDE THE HYD TANK, ASSEMBLED HYD TANK WITH NEW SEALS AND HYD FILTER					
1	1R-0774	ELEMENT AS	S	35.50	
		DISCOUNT	30.00%	10.65-	24.85
2	2H-3932	SEAL	S	1.45	2.90
1	2H-6124	RING	S	6.20	6.20
1	3J-7354	SEAL O RING	S	.64	.64
1	4J-0525	SEAL O RING	S	2.24	2.24
2	5F-7054	SEAL	S	1.12	2.24
1	5H-6733	SEAL-O-RING	S	5.66	5.66
1	5K-5959	SEAL O RING	S	3.10	3.10
1	6E-1752	SCREEN	S	64.12	64.12
1	7D-1195	SEAL	S	3.89	3.89
1	7F-8268	SEAL O RING	S	2.34	2.34
1	9H-6454	GASKET	S	1.90	1.90
1	245-9740	GASKET	N	12.28	12.28
1	260-8636	GAGE-LIQ LEV	S	39.44	39.44
182	3145168	BULK HYD 10W/QT	S	3.99	726.18
		TOTAL PARTS			897.98 *
			SEG. 40		
			F/R LBR		564.00 *
		SEGMENT 40 TOTAL			1461.98 T

-----  
 REMOVE & INSTALL HYDRAULIC CONTROL VALVE

**CAUSE OF FAILURE:**

CPT REBUILD

REPAIR PROCESS COMMENTS:

11/13/15 6079- HAD TO CHISEL AND SCRAP DIRT AND TRASH FROM MAIN CONTROL VALVE SO WAS ABLE TO GET TO HOSES AND MOUNT BOLTS FOR VALVE, REMOVED ALL HOSES FROM MAIN CONTROL VALVE, HAD TO GUIDE CRANE DOWN OF THE SIDE OF CAB TO HOOK UP TO CONTROL VALVE, REMOVED MOUNT BOLTS FROM VALVE, SLOWLY LOWERED VALVE DOWN OUT OF MACHINE  
 12/03/15 6079- PUT VALVE UNDER MACHINE, RAN CRANE DOWN SIDE OF CAB AND HOOKED UP TO MAIN CONTROL VALVE, SLOWLY INSTALLED CONTROL VALVE, HAD TO PRY VALVE INTO PLACE, INSTALLED MOUNT BRACKET TO VALVE, INSTALLED MOUNT BOLTS, INSTALLED COMEALONG INTO CAB, HOOKED UP DIFF STEER MOTOR TO COMEALONG, SLOWLY INSTALLED DIFF STEER MOTOR, INSTALLED MOUNT BOLTS AND TORQUED BOLTS TO 200 FT LBS WITH LOCKTITE

SEGMENT 41 TOTAL

F/R LBR

1692.00 \*

1692.00 T

-----  
 REPLACE GASKET/RESEAL HYDRAULIC CONTROL VALVE

**CAUSE OF FAILURE:**

CPT REBUILD





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**INVOICE DETAIL**

Work Order No. WE74160

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QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
<b>REPAIR PROCESS COMMENTS:</b>					
11/16/15 6079- TOOK MAIN CONTROL VALVE OVER TO STEAM RACK AND CLEANED OFF, DISASSEMBLED MAIN CONTROL VALVE, DISASSEMBLED MANIFOLD, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED MANIFOLD WITH NEW SEALS FOR RELIEFS AND FITTINGS, DISASSEMBLED LIFT VALVE BANK, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED LIFT VALVE WITH NEW SEALS, DISASSEMBLED TILT VALVE BANK, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED TILT VALVE WITH NEW SEALS, DISASSEMBLED RIPPER LIFT VALVE BANK, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED RIPPER LIFT VALVE WITH NEW SEALS					
11/17/15 6079- DISASSEMBLED RIPPER TILT VALVE BANK, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED RIPPER TILT VALVE WITH NEW SEALS, ASSEMBLED MAIN CONTROL VALVE WITH NEW SEALS, TORQUED NUTS TO 100 FT LBS, DISASSEMBLED DUAL TILT VALVE, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED VALVE WITH NEW SEALS					
11/19/15 6079- DISASSEMBLED PRIORITY VALVE, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED VALVE WITH NEW SEALS, DISASSEMBLED REVERSING FAN VALVE, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED FAN VALVE WITH NEW SEALS					
11/23/15 6079- DISASSEMBLED HYD OIL COOLING BYPASS VALVE, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED VALVE WITH NEW SEALS, DISASSEMBLED PT OIL FILTERS, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED FILTER HOUSINGS WITH NEW SEALS AND FILTERS					
11/24/15 6079- DISASSEMBLED STEERING AND BRAKE VALVE, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED VALVE WITH NEW SEALS AND SEALS , WASHERS FOR ASSEMBLE BOLTS TORQUED BOLTS TO 260 IN LBS					
12/01/15 6079- DISASSEMBLED IMPLEMENT MANIFOLD, CLEANED AND INSPECTED PARTS, ASSEMBLED MANIFOLD WITH NEW SEALS AND FILTER, DISASSEMBLED STEERING FILTER, CLEANED AND INSPECTED PARTS, ASSEMBLED FILTER HOUSING WITH NEW SEALS AND FILTER, DISASSEMBLED STEERING PUMP OIL RELIEF VALVE, CLEANED AND INSPECTED ALL PARTS, ASSEMBLED VALVE WITH NEW SEALS					
16	1H-1023	RING	S	.64	10.24
1	1P-3702	SEAL	S	1.52	1.52
2	1P-3705	SEAL	S	2.32	4.64
2	1P-3708	SEAL	S	2.83	5.66
10	1T-0738	WASHER	S	.22	
		DISCOUNT	30.00%	.07-	1.50
22	2M-9780	SEAL O RING	S	.94	20.68
3	2S-4078	SEAL	S	1.58	4.74
2	2U-7354	SEAL KIT	N	54.91	109.82
27	3D-2824	SEAL O RING	S	1.16	31.32
1	3G-8175	KIT-SEAL	N	12.20	12.20
49	3J-1907	SEAL	S	.71	34.79
45	3J-7354	SEAL O RING	S	.64	28.80
25	3K-0360	SEAL	S	.84	21.00
10	4B-4278	WASHER	S	.20	



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 (562) 463-4000  
 www.quinncompany.com

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
			DISCOUNT 30.00%	.06-	1.40
4	4J-0520	SEAL-O-RING	S	1.62	6.48
17	4J-0522	SEAL-O-RING	S	1.79	30.43
3	4J-5351	SEAL	S	.92	2.76
20	4J-5477	SEAL O RING	S	.69	13.80
26	4J-7533	SEAL O RING	S	.59	15.34
4	4J-8997	SEAL O RING	S	1.45	5.80
8	4K-1388	SEAL O RING	S	1.24	9.92
9	4K-2039	SEAL O RING	S	.70	6.30
1	4T-1011	RING-SEAL	N	5.45	5.45
1	4T-5071	RING	S	3.08	3.08
4	4T-5072	RING	N	4.18	16.72
8	4T-5073	RING	S	4.66	37.28
2	4T-5074	RING BACK UP	S	4.95	9.90
1	4T-5075	RING-BACKUP	N	6.00	6.00
1	5D-5957	SEAL	S	16.55	16.55
1	5F-7054	SEAL	S	1.12	1.12
2	5H-7153	SEAL	S	4.11	8.22
1	5K-3294	CLIP	S	3.99	
			DISCOUNT 30.00%	1.20-	2.79
25	5K-9090	SEAL O RING	S	.95	23.75
1	5L-4758	SEAL O RIN	S	.73	.73
4	5M-2057	SEAL	S	1.37	5.48
2	5P-0597	CLAMP	S	3.82	
			DISCOUNT 30.00%	1.15-	5.34
3	5P-0840	SEAL-O-RING	S	3.97	11.91
1	5P-4268	SEAL-O-RING	S	7.34	7.34
1	5P-4889	SEAL	S	13.59	13.59
1	5P-7703	GROMMET	S	15.61	15.61
2	6E-0381	RING	S	3.20	6.40
4	6E-1637	SHIM	N	1.16	4.64
2	6J-2419	SEAL O RING	S	1.41	2.82
4	6L-1651	SEAL O RING	S	6.04	24.16
8	6M-5062	SEAL O RING	S	.67	5.36
17	6V-0852	CAP	S	3.55	60.35
18	6V-3965	NIPPLE A	S	17.07	
			DISCOUNT 30.00%	5.12-	215.10
1	6V-4589	SEAL O RING	S	4.14	4.14
1	6V-5393	SEAL O RING	S	1.41	1.41
15	6V-5555	SEAL O RING	S	.74	11.10
4	6V-5556	SEAL O RING	S	1.12	4.48
1	6V-8218	SEAL	S	1.33	1.33
8	6V-8397	SEAL	S	.71	5.68
25	6V-9746	SEAL O RING	S	.87	21.75
6	7J-0204	SEAL O RING	S	.60	3.60
10	7J-9933	SEAL	S	1.03	10.30
8	7K-1181	STRAP CABLE	S	.27	2.16
43	7M-8485	SEAL	S	1.34	57.62
1	7T-4515	SEAL KIT	N	9.38	9.38
1	8C-3085	SEAL-O-RING	S	.62	.62
1	8C-3101	SEAL-O-RING	N	.85	.85
1	8C-3446	VALVE	S	16.95	
			DISCOUNT 30.00%	5.09-	11.86
1	8C-3447	CAP	S	3.55	3.55
1	8J-6815	PLUG	N	9.01	9.01
1	8L-2746	O RING	S	3.29	3.29
9	8M-5254	SEAL O RIN	S	3.05	27.45
1	8U-2685	SEAL	N	.90	.90



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**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	9G-5127	BREATHER	S	9.03	9.03
4	9J-8126	PLUG	N	4.37	17.48
24	9P-9150	WASHER	S	.13	
		DISCOUNT	30.00%	.04-	2.16
1	9S-8002	PLUG	S	2.91	2.91
2	061-8561	SEAL	S	8.31	16.62
2	061-9455	SEAL	S	9.26	18.52
1	095-1750	O-RING	S	.67	.67
2	108-4430	SPRING	N	7.31	
		DISCOUNT	30.00%	2.19-	10.24
1	109-3036	SEAL KIT	N	17.07	17.07
1	114-0795	HOSE	N	24.97	
		DISCOUNT	30.00%	7.49-	17.48
2	118-8586	SEAL-O-RING	S	3.79	7.58
2	122-3771	SEAL O RING	S	9.30	18.60
1	126-5948	SEAL KIT	N	23.94	23.94
2	128-2779	SEAL KIT	N	34.94	69.88
4	133-5545	SEAL KIT	S	29.10	116.40
2	137-6603	SPOOL	N	99.48	198.96
1	137-8794	SPOOL AS	N	127.80	127.80
2	161-6149	SEAL-O-RING	N	.70	1.40
2	161-6154	SEAL-O-RING	S	.62	1.24
4	161-6161	RING-BACKUP	S	3.29	13.16
1	174-4909	VALVE GP-SOL	S	135.14	135.14
2	185-3503	SEAL-O-RING	N	5.83	11.66
2	187-0541	RING	S	3.12	6.24
8	187-9630	SEAL-O-RING	S	1.13	9.04
2	188-7067	SPRING	N	9.46	
		DISCOUNT	30.00%	2.84-	13.24
2	188-7068	RETAINER	N	8.08	16.16
2	188-7069	PISTON - LOA	N	21.24	42.48
1	195-7430	SEAL KIT	N	16.29	16.29
1	197-7701	SEAL KIT	N	8.00	8.00
1	205-8366	HOSE AS.	N	213.06	
		DISCOUNT	30.00%	63.92-	149.14
1	205-8367	HOSE AS.	N	252.54	
		DISCOUNT	30.00%	75.76-	176.78
1	205-8369	HOSE ASSEMBLY	N	117.62	
		DISCOUNT	30.00%	35.29-	82.33
1	205-8371	HOSE ASSEMBLY	N	159.99	
		DISCOUNT	30.00%	48.00-	111.99
1	209-9590	HOSE AS.	N	94.45	
		DISCOUNT	30.00%	28.34-	66.11
1	214-7568	SEAL-O RING	S	3.10	3.10
4	240-7356	SEAL KIT	S	19.24	76.96
1	293-2851	STOP	N	10.12	10.12
1	325-1385	SCREEN AS.	N	41.10	41.10
2	365-8611	KIT-SEAL	N	29.86	59.72
2	366-4972	RING-BACKUP	N	4.46	8.92
1	369-9451	GREASE PETRO	S	12.07	
		DISCOUNT	20.00%	2.41-	9.66
2	380-9849	VALVE GP-SOL	N	122.39	244.78
		TOTAL PARTS	SEG. 42		3069.41 *
			F/R LBR		2256.00 *
		SEGMENT 42 TOTAL			5325.41 T

-----  
 INSTALL CATWALK



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**SERVICE INVOICE**

BILL TO: [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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**REAR**

**CUSTOMER COMPLAINT:**

CUSTOMER WANTED A REAR WALK WAY

REPAIR PROCESS COMMENTS:

FABRICATED REAR STEP FOR MACHINE. INSTALLED ON MACHINE.

10	5P-8245	WASHER-HARD	S	.48	
		DISCOUNT	30.00%	.14-	3.40
10	6V-8675	BOLT	S	.64	
		DISCOUNT	30.00%	.19-	4.50
10	7B-3235	CAP SCREW	S	.62	
		DISCOUNT	30.00%	.19-	4.30
10	8T-3597	NUT	S	1.59	
		DISCOUNT	30.00%	.48-	11.10
		<b>TOTAL PARTS</b>	<b>SEG. 43</b>		<b>23.30 *</b>
				<b>F/R LBR</b>	<b>1316.00 *</b>
	M81332228	A:D 8202 18 3 4			355.43
	M81333891	E:2 X 2 X 188 W			83.49
	M81333891	E:1 8 X 1 2 HR S			3.80
		<b>TOTAL MISC CHGS</b>	<b>SEG. 43</b>		<b>442.72 *</b>
		<b>SEGMENT 43 TOTAL</b>			<b>1782.02 T</b>

**CLEAN & TEST HYDRAULIC OIL COOLER**

REPAIR PROCESS COMMENTS:

SENT COOLERS TO BE CLEAN AND TESTED.

	M81332162	E:CLEAN OUT	TE		193.29
		<b>TOTAL MISC CHGS</b>	<b>SEG. 44</b>		<b>193.29 *</b>
		<b>SEGMENT 44 TOTAL</b>			<b>193.29 T</b>

**CLEAN & TEST AFTERCOOLER**

REPAIR PROCESS COMMENTS:

SENT COOLER TO BE TESTED

	M81332162	E:CLEAN OUT REPA			433.23
		<b>TOTAL MISC CHGS</b>	<b>SEG. 45</b>		<b>433.23 *</b>
		<b>SEGMENT 45 TOTAL</b>			<b>433.23 T</b>

**REPLACE WIRING HARNESS**

**CAUSE OF FAILURE:**

CPT REBUILD, FOUND LEFT AND RIGHT FENDER HARNESS, TRANSMISSION HARNESS, PRIORITY AND FAN MOTOR HARNESS AND RAD. GUARD HARNESS INSULATION GONE AND SHOWING COPPER WIRING

REPAIR PROCESS COMMENTS:

11/30/15 6079- REMOVED LEFT AND RIGHT FENDER HARNESSES, TRANSMISSION HARNESS, PRIORITY AND FAN MOTOR HARNESS FROM MACHINE

12/03/15 6079- INSTALLED BOTH LEFT AND RIGHT FENDER HARNESSES, CLIPPED AND ZIPTIED UP

HARNESSES, INSTALLED TRANSMISSION, PRIORITY AND DIFF STEERING HARNESSES

12/09/115 6079- REMOVED OLD HARNOSE HARNESS, INSTALLED NEW HARNOSE HARNESS AND CLIPPED UP

20	4P-8134	CLIP	S	2.85	
		DISCOUNT	30.00%	.86-	39.80
150	7K-1181	STRAP CABLE	S	.27	40.50



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 [REDACTED]  
 [REDACTED]  
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SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
1	209-7803	HARNESS AS.	N	828.07	828.07
1	209-7804	HARNESS AS.	N	1149.76	1149.76
1	209-7805	HARNESS AS	N	455.78	455.78
1	224-9044	HARNESS AS.	N	85.41	85.41
1	283-9855	HARNESS AS	N	130.24	130.24
TOTAL PARTS				SEG. 46	2729.56 *
SEGMENT 46 TOTAL				F/R LBR	1488.00 *
					4217.56 T

REPLACE FUEL TANK  
 WEATHER STRIPPING

**CAUSE OF FAILURE:**

CPT REBUILD, FOUND TRASH SEALS FALLING OFF FROM FUEL TANK

**REPAIR PROCESS COMMENTS:**

11/30/15 6079-DRAINED FUEL FROM FUEL TANK, DISCONNECTED FUEL LINES FROM FUEL FILTERS, DISCONNECT HARNESS FROM FUEL SENDER, REMOVED BOLTS AND FUEL TANK FROM MACHINE  
 12/12/15 6079- REMOVED REMAINDER OF TRASH SEAL FROM CAB AND ROP PEDASTALS, CLEANED SURFACES, INSTALLED NEW TRASH SEAL, INSTALLED FUEL TANK, INSTALLED MOUNT BOLTS AND TORQUED BOLTS TO 200 FT LBS, CONNECTED FUEL LINES TO FUEL FILTERS, CONNECTED WIRING TO FUEL SENDER, FILLED FUEL TANK WITH FUEL

4	5P-7211	M-SEAL STK	S	26.30	105.20
1	5P-7483	M-SEAL STK	S	14.19	14.19
1	7D-7111	SEAL-O-RING	S	19.52	19.52
40	9X-8699	CM SEAL STK	N	.22	8.80
105	128-8423	CM SEAL	N	.08	8.40
206	132-8502	SEAL CM	S	.19	39.14
26	145-0060	CM SEAL	N	.39	10.14
508	149-5933	CM SEAL	N	.08	40.64
1	210-8546	BARRIER AS.	N	293.48	293.48
796	238-9166	CM BULK SEAL	N	.56	445.76
1	243-4312	BAFFLE AS.	N	279.46	279.46
2	275-6498	BAFFLE	N	34.97	69.94
1	457-4643	CONT GP-JOYS	N	1117.50	1117.50
TOTAL PARTS				SEG. 47	2452.17 *
SEGMENT 47 TOTAL				F/R LBR	558.00 *
					3010.17 T

REPAIR AIR CONDITIONER

**CAUSE OF FAILURE:**

CPT REBUILD

**REPAIR PROCESS COMMENTS:**

12/08/15 6079- REMOVED A/C BOX FROM CAB, DISASSEMBLED A/C BOX, CLEANED ALL PARTS FOR A/C BOX  
 12/09/15 6079- ASSEMBLED A/C BOX WITH NEW SEALS AND GASKETS, SEALED UP ANY OPENINGS ON A/C BOX  
 12/11/15 6079- REMOVED ALL A/C LINES, OLD DRYER AND ACCUMULATOR, INSTALLED ALL NEW A/C LINES WITH



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**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
NEW CLIPS, DRYER AND ACCUMULATOR, INSTALLED A/C BOX TO CAB WITH NEW SEALS AND AIR FILTERS					
12/15/15 6079- INSTALLED CONDENSOR TO ROPS AND FINISHED HOOKING A/C LINES, CHARGED A/C WITH 300 PSI OF NITROGEN AND IT HELD FOR 30 MIN, PULLED VACUUM FOR 45 MINS THEN CHARGE A/C WITH 5.1 LBS OF FREON					
4	40464	LOCTITE BLK SEALANS		18.80	75.20
1	1Q-1742	HOSE A	N	48.39	
			DISCOUNT 30.00%	14.52-	33.87
1	1Q-1743	HOSE A	N	70.39	
			DISCOUNT 30.00%	21.12-	49.27
3	1S-6420	CLIP	S	5.17	
			DISCOUNT 30.00%	1.55-	10.86
1	2Y-1834	CLIP	N	6.43	
			DISCOUNT 30.00%	1.93-	4.50
1	3E-3535	DRYER	S	97.16	97.16
3	4K-8302	CLIP	S	4.62	
			DISCOUNT 30.00%	1.39-	9.69
4	4K-8864	CLIP	S	2.60	
			DISCOUNT 30.00%	.78-	7.28
5	4P-7428	CLIP	S	3.94	
			DISCOUNT 30.00%	1.18-	13.80
5	4P-7581	CLIP	S	2.76	
			DISCOUNT 30.00%	.83-	9.65
1	5P-3948	COUPLING	S	42.55	
			DISCOUNT 30.00%	12.77-	29.78
1	5P-4295	CLIP	S	5.13	
			DISCOUNT 30.00%	1.54-	3.59
1	5P-5639	M-SEAL STK	S	7.84	7.84
2	6D-4246	CLIP	S	3.34	
			DISCOUNT 30.00%	1.00-	4.68
1	6D-4247	CLIP	S	6.42	
			DISCOUNT 30.00%	1.93-	4.49
1	6D-7573	CLIP	N	6.17	
			DISCOUNT 30.00%	1.85-	4.32
1	7K-3176	COUPLING	S	50.57	
			DISCOUNT 30.00%	15.17-	35.40
1	9X-0358	NIPPLE A	N	23.21	
			DISCOUNT 30.00%	6.96-	16.25
3	103-6100	DISCONNECT	S	29.15	
			DISCOUNT 30.00%	8.75-	61.20
2	116-6202	BOOT	S	13.76	27.52
12	119-5026	SCREW	S	.95	
			DISCOUNT 30.00%	.29-	7.92
1	170-0235	ACCUMULATOR	N	147.33	147.33
1	225-2338	GASKET	N	24.65	24.65
1	225-2339	SEAL	S	10.94	10.94
1	227-5334	SEAL	N	28.61	28.61
1	242-6234	HOSE AS	N	96.99	
			DISCOUNT 30.00%	29.10-	67.89
1	242-6235	HOSE ASSEMBLY	N	82.88	
			DISCOUNT 30.00%	24.86-	58.02
1	242-6236	HOSE AS	N	68.06	
			DISCOUNT 30.00%	20.42-	47.64
1	242-6237	HOSE AS	N	48.84	
			DISCOUNT 30.00%	14.65-	34.19
1	242-6238	HOSE AS	N	41.96	



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INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
			DISCOUNT 30.00%	12.59-	29.37
1	248-2923	NIPPLE - DRA	N	6.86	6.86
1	248-2929	GASKET	N	14.11	14.11
1	248-2930	GASKET	N	15.61	15.61
100	267-8575	DM BULK TUBE	N	.61	61.00
1	268-6705	FILTER-RECIR	S	37.77	
			DISCOUNT 30.00%	11.33-	26.44
1	319-7944	FILTER AIR	S	84.00	
			DISCOUNT 30.00%	25.20-	58.80
		<b>TOTAL PARTS</b>	<b>SEG. 48</b>		<b>1145.73 *</b>
			<b>F/R LBR</b>		<b>1920.00 *</b>
		<b>LBS.134 FREON</b>			<b>75.00</b>
		<b>TOTAL MISC CHGS</b>	<b>SEG. 48</b>		<b>75.00 *</b>
		<b>SEGMENT 48 TOTAL</b>			<b>3140.73 T</b>

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**INSTALL PRODUCT LINK**

**CUSTOMER COMPLAINT:**

PERFROM PS52974  
 REPAIR PROCESS COMMENTS:  
 (12/21/15). CONNECTED TO E.T. AND GOT SOFTWARE  
 FILE NUMBERS. ALL WERE UP TO DATE EXCEPT THE  
 PRODUCT LINK. COPIED THE CONFIGURATION. FLASHED  
 THE PRODUCT LINK WITH THE LATEST FILE (476-1913)  
 AND RE-REGISTERED TO QUINN COMPANY.

SHOP SVC LABOR	1.50 RT HOURS		139.50
<b>TOTAL LABOR</b>		<b>SEG. 49</b>	<b>139.50 *</b>
<b>SEGMENT 49 TOTAL</b>			<b>139.50 T</b>

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**DETAIL OPERATOR STATION**

REPAIR PROCESS COMMENTS:  
 AFTER MACHINE WAS DONE PAINTED. DETAILED THE CAB.

<b>SEGMENT 60 TOTAL</b>			<b>.00 T</b>
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**TRAVEL TO/FROM JOB SITE**

REPAIR PROCESS COMMENTS:  
 ASSEMBLE AND INSTALL BLADE TO MACHINE, INSTALL A/C  
 BOX ON TOP OF ROPS. TEST MACHINE OPERATIONS

<b>SEGMENT 63 TOTAL</b>		<b>F/R ALL</b>	<b>375.00 *</b>
			<b>375.00 T</b>

-----  
**ASSEMBLE MACHINE**

INSTALL BLADE USING EXISTING BLADE FROM #6694

**CUSTOMER COMPLAINT:**

REINFORCEMENT PLATE FOR MAIN FRAME .

**RESULTANT DAMAGE:**

WORN MAIN FRAME .  
 REPAIR PROCESS COMMENTS:  
 LAY OUT THE REINFORCEMENT PLATES CUT AND CLEAN UP  
 , THEN USED SAND ER TO CLEAN UP ALL WORK AREAS  
 THEN INSTALL THE REINFORCEMENT PLATES FOR BOTH  
 SIDE OF MAIN FRAME , USED DUAL SHIELD WIRE FOR  
 PRODUCTION WELD DRESS IT UP WITH GRINDER .

2	1U-2472	PIN	S	185.52	371.04
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10006 Rose Hills Road  
 City of Industry, CA 90601  
 (562) 463-4000  
 www.quinncompany.com

Make: CATERPILLAR  
 Model: D9T  
 Serial No: 0RJS01135  
 Equipment No: 1217  
 Machine ID No: \_\_\_\_\_ Meter Reading: 12822.0

**SERVICE INVOICE**

BILL TO: [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

INVOICE DETAIL		Work Order No. WE74160	Invoice No. WO810175972	Invoice Date: 12/31/2015	
QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
2	3G-7016	PIN	S	152.07	304.14
4	4T-7534	PIN	N	209.32	837.28
8	6J-5179	RETAINER	N	42.94	343.52
16	7X-2574	BOLT	S	4.88	
		DISCOUNT	30.00%	1.46-	54.72
1	8T-2287	MIRROR	S	191.05	191.05
		<b>TOTAL PARTS</b>	<b>SEG. 64</b>		<b>2101.75 *</b>
				<b>F/R LBR</b>	<b>1568.00 *</b>
		<b>SEGMENT 64 TOTAL</b>			<b>3669.75 T</b>
-----					
REINFORCE MAIN FRAME					
REPAIR PROCESS COMMENTS:					
ADDED 3/8" PLATES TO BOTH SIDE OF FRAME.					
10	1U-6834	DISC	S	1.93	
		DISCOUNT	20.00%	.39-	15.40
1	9U-6382	DISC GRINDNG	S	5.02	
		DISCOUNT	20.00%	1.00-	4.02
		<b>TOTAL PARTS</b>	<b>SEG. 65</b>		<b>19.42 *</b>
				<b>F/R LBR</b>	<b>2472.00 *</b>
	M81330173	A:AR 400 3 8 X			815.80
	M81330173	A:DELIVERY FREIG			52.50
		<b>TOTAL MISC CHGS</b>	<b>SEG. 65</b>		<b>868.30 *</b>
		<b>SEGMENT 65 TOTAL</b>			<b>3359.72 T</b>
-----					
NAT-MLP-370					
NAT-MLP-370 10% PARTS DISCOUNT ON ALL APPLICABLE					
PARTS WITH QUALIFYING BEC CODES					
ELIGILBE PARTS = \$110,873.64					
		NAT-MLP-370 10%			11087.36-
		<b>TOTAL MISC CHGS</b>	<b>SEG. 66</b>		<b>11087.36-*</b>
		<b>SEGMENT 66 TOTAL</b>			<b>11087.36-T</b>
-----					
		<b>TOTAL PARTS DISCOUNT</b>		<b>3541.53-</b>	
		<b>STATE SALES TAX 7.50</b>			<b>9749.03 T</b>
		<b>LA COUNTY TAX 1.5%</b>			<b>1949.81 T</b>
		<b>INVOICE TOTAL</b>			<b>220,089.81</b>

**THANK YOU FOR YOUR BUSINESS.**  
 HOW DID WE DO? YOUR COMPLETE SATISFACTION IS VERY IMPORTANT TO US.  
 IF THERE IS ANYTHING WE COULD HAVE DONE BETTER,  
 PLEASE LET US KNOW AS SOON AS POSSIBLE!  
 SHOULD YOU HAVE ANY QUESTIONS REGARDING THIS INVOICE, PLEASE CONTACT  
 PAUL BRIDGES, CITY OF INDUSTRY MACHINE SERVICE MGR, AT (562) 463-4082.





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Machine ID No: Meter Reading: 12822.0

### SERVICE INVOICE

BILL TO:



SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

Quinn Store Location: CITY OF INDUSTRY MACHINE SERVICE, 10006 Rose Hills Rd, City of Industry, CA 90601 (562) 463-4000

#### INVOICE DETAIL

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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Make: CATERPILLAR  
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**SERVICE INVOICE**

BILL TO: [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

SHIP TO:

Customer Contact: TIM CHAPLIN-0538514

Quinn Product Support Rep: NICK TAFOLLA (562) 201-2567

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**INVOICE DETAIL**

Work Order No. WE74160

Invoice No. WO810175972

Invoice Date: 12/31/2015

QTY	PART NUMBER	DESCRIPTION	STK/NONSTK	UNIT PRICE	EXTENDED PRICE
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Go Paperless. To receive your invoices and statements electronically, please visit our website at [quinncompany.com](http://quinncompany.com).

CUT HERE AND RETURN WITH REMITTANCE

L.A. COUNTY SANITATION PUENT  
 ATTN ACCOUNTS PAYABLE  
 P O BOX 4998  
 WHITTIER CA 90607-4998

Invoice No: WO810175972  
 Invoice Date: 12/31/2015  
 Due Date: 01/30/2016

Account Number: 158803S  
 Purchase Order No: R146915  
 Payment Terms: Net 30 Days  
 Work Order No: WE74160

Please send your  
 Payment to:

Amount Due:	<b>\$ 220,089.81</b>
Amount Paid:	

QUINN COMPANY  
 P O Box 849665  
 Los Angeles, CA 90084-9665

Place this coupon in the return envelope  
 with the mailing addresses clearly visible.