

Location: LACSD  
Los Angeles , CA

**Truck and Equipment Consulting, LLC – BULL DOZER INSPECTION CHECKLIST**

Date (Y/M/D) 10/27/2021  
 Inspector Initials R.F.

(Basic Information)	
(Manufacturer)	Caterpillar
(Model Number)	D9T
(Serial Number)	RJS01070
(Year of Manufacturing)	2008
(Hour Meter Reading)	18,772.2 Hrs
(Engine Model) sn RHX06344 Tier IV	CAT C18 ACERT 18.1L 436 Hp I6 TurboD
(Transmission)	Powershift 3 FWRD + 3 REV
(Country of Origin)	USA

Specification and Dimensions	
Serial Plate / Arrangement Number	RJS01070 / ARR# 2058600
Cabin• Canopy (Circle)	Cabin
EPA Certificate / Permits Posted	ROPS / FOPS
Track Gauge / Shoe Size	Track Gauge =88.6 in / Shoes =24 in
Number Shoes / Rollers	43 per side / 8 Track Rollers per side
Hydraulic /Engine Oil/Coolant Capacities	Hyd Tank=23.5 gal/Eng Oil=9.7 gal/Coolant= 25.9 g
Hydraulic Relief	Lift =3800 psi / Steering =5875 psi
Blade	SU 17.7 yd3 / 169 in / 15,130 lbs
Ripper	Yes 2 Shank
Operating Weight	106,618 lbs

- A (Near to Brand New or Excellent Condition)
- B (A little Wear and Good Condition)
- C (Fair Workable Condition for Hour Meter Reading)
- D (Workable but minor repair is required)
- E (Workable but major repair is required)

	(Check List)	A	B	C	D	E	(Remarks)
GENERAL APPEARANCE	(General Appearance-Front)	X					Good appearance No damage Some discoloration front hydraulic pistons
	(General Appearance-Rear)	X					Good appearance Ripper frame+hydraulics Minor panel cosmetics only
	(General Appearance-Right )	X					Good appearance Good panels+panel gaps, Good rails No damage
	(General Appearance-Left )	X					Good appearance Good panels+panel gaps, Good rails No damage
	(General Appearance-Upper )	X					Good Cabin Structure, ROPS tight, Roof+upper panels Good appearance
	(Major / Minor Surface Rust)	X					No Rust Seen
	(Body Panel Rust Damage / Cancer)	X					No panel or body damage seen, No rust cancer
	(Visible Weld Repairs / Stress Cracks)	X					No patches or weld repairs seen
	(Glass Condition)	X					Good glass No damage
	(Chassis / Undercarriage Damage)	X					Good underside panels and gaps No damage Good appearance
OPERATOR'S COCKPIT	(Operator Cabin)	X					Good appearance Some minor cosmetic wear+tear, headliner stained
	(Operator Controls and Switches)	X					Complete Good Appearance Good Function
	(Hour Meter Activity)	X					Working
	(Other Gauge Activity)	X					Displays Good Working Order No Service Codes
	(Door / Canopy Latches)	X					Good latch function
	(Safety - Horn / Wipers)	X					Working
	(Cabin Ventilation / A/C / Heat)	X					A/C working
	(Operator Seat Condition)	X					Seat Good Condition
	(Seat Belts / Fire Extinguisher)	X					Yes
	ENGINE	(Oil Color / Fluid Appearance / Particulates or Granuales)	X				
(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X					No unusual noises at start up or shut down Good Idle
(Engine Exhaust Color - White / Blue / Black / Clear)		X					Normal Small puffs of black under throttle Clear at operating temps
(Oil Leaks )		X					No active leaks seen
(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X					No smoke issues
(Coolant Color / Fluid Appearance )		X					Coolant Good appearance No signs of contamination No mud or foul odor
(Water Pump Noises / Damp Hoses / Coolant Leaks)		X					No coolant leaks seen Hoses dry No pump noises
(Coolant Leaks from Radiator)		X					None seen
(Overall Engine Appearance Clean / Wet / Dry)		X					Engine Dry appearance No seepage stains or dampness seen
(Overall appearance of Hydraulic lines/fittings - worn/cracked)		X					Good appearance hydraulic lines + fittings No seepages or damage seen
HYDRAULICS OVERALL	(Hydraulic Pump Sounds / Noises)	X					No unusual pump noises or vibrations under load
	(Wet or Damp hydraulic lines and fittings / fluid leaks)	X					No hydraulic leaks seen
	(External Controls / Levers Condition)	X					Good appearance
	(Hydraulics Service Records / Maintenance History)	X					1 Filter Labeled 11/3/2020 @ 17,988 Hrs

ELECTRICAL	(Lighting System Condition)		X				Working	
	(Reverse Alarm / Backup Signal)		X				Working	
	(Battery Condition)		X	X			Battery Fair / Above Avg Appearance	
	(Other Electric Device Condition)		X				Good function both Driver Information display and Diagnostics monitor	
B R A K E S	(Foot Brake)		X				Good brake function	
	(Inching Brake Functional & Working Condition)		X				Working	
	(Parking Brake)		X				Good function	
	(Other Remarks)		X				Brakes good performance	
TRANSMISSION	(Clutch Noise / Function)		X				No unusual noises or vibrations	
	(Transmission Noise / Function)		X				Good Forward and Reverse performance	
	(Shift Lever Condition & Function)		X				Good shifter function	
	(Other Remarks)		X					
HYDRAULICS CYLINDERS	(Lift)	(Oil Leak from Cylinder)	X				No leaks from lift cylinder seen	
		(Mounting Pin Condition)	X				Good pin appearance	
	(Tilt)	(Oil Leak from Cylinder)	X				No leaks from Tilt cylinder	
		(Mounting Pin Condition)	X				Good appearance	
	(Angle)	(Oil Leak from Cylinder)	X				No leaks from Angle cylinder seen	
		(Mounting Pin Condition)	X				Good appearance	
	Ripper	(Other Remarks)	X				Good Ripper function and appearance	
C H A S S I S & UNDER CARRIAGE	Undercarriage Appearance		X	X			B- / C+ Some surface wear idler and roller surfaces Above Average	
	Right Side Drive Sprocket/Link Bush/Shoe		X	X			B / B- = Right Sprocket Teeth+Cutouts Above Avg Minimal surface wear	
	Left Side Drive Sprocket/Link Bush/Shoe		X	X			B / B- = Left Sprocket Teeth+Cutouts Above Avg Minimal surface wear	
	Right Side Front Idler/Upper and Lower Roller		X	X			B- / C+ = Right side Idler + rollers some surface wear	
	Left Side Front Idler/Upper and Lower Roller		X	X			B- / C+ = Left side Idler + roller some surface wear	
	Track Condition		X	X			B = Tracks Good Appearance no cracked or broken shoes Grouser B/B-	
	OPERATIO N	Forward	Steering/Brakes/Clutch	X				Good Function in Forward
			Lift/Tilt/Angle	X				Good
		Reverse	Steering/Brakes/Clutch	X				Good Function in Reverse
			Lift/Tilt/Angle	X				Good
Other Comments		X				Minimal track squeaking noise then turns quiet		
B L A D E / RIPPER	(Blade Edge)		X				Good appearance of blade edge No dents No damage seen	
	(Blade Overall Condition)		X				Good	
	(Ripper Overall Condition)		X				Good Ripper function and appearance	
	(Other Remarks)		X				Good lift, drop, tilt, and angle function	

OVERALL EXTERIOR RATING:  B  QUALITY:  B   
OVERALL INTERIOR RATING:  B  SAFETY:  B   
OVERALL PERFORMANCE:  B  FUNCTIONALITY:  B   
**OVERALL CONDITION GRADE: B**  
FLUID SAMPLE REQUEST (Y/N)  n  OIL  n  COOLANT  n

**DIMENSIONS: (Transport Ref only)**

LENGTH: 193.3 in / 274.3 in (w/blade)  
WIDTH: 113.4 in  
HEIGHT: 157.5 in  
WEIGHT: 80,062 lbs

\*A:Remaining Ratio 90% or more  
\*B:Remaining Ratio 70% or more  
\*C:Remaining Ratio 50% or more  
\*D:Remaining Ratio 20% or more  
\*E:Remaining Ratio 20% or less

**use (A)90% to (E) 20%**



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**CONTACT INFORMATION**

PHONE:  
FAX:  
Email:

Interp By: Tony Finney

**EQUIPMENT**

EQUIP NUM: 5049  
SERIAL NUMBER: RJS01070  
MODEL : D9T  
MANUFACTURER : CAT  
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON  
JOB SITE : SCLF L\_A\_C\_S\_D\_DU\_H430  
AREA:  
REGION:

**SAMPLE INFORMATION**

COMPARTMENT NAME : ENGINE  
COMP SERIAL NUM: RHX06344  
COMPARTMENT MODEL :  
LABEL#: QC  
SHOP JOB NUM :  
SAMPLE TYPE: OIL  
SAMPLE SHIP TIME (days) : 7  
SAMPLE LOCATION :

**No Action  
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #

H430-51175-0308

PROCESS 24-Jun-21  
DATE

**WEAR/CONTAMINATION - ADDITIVES/FORMULATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B
17-Jun-21	H430-51175-0308	18495	247	Y	Y	4	21	0	0	4	0	6	1	3	84	0	0	0	0	0	2281	1330	1562	494	0	103
28-Jan-21	H430-51033-0234	18248	260	Y	Y	0	12	0	0	0	0	0	0	0	75	0	0	0	0	0	2604	1450	1558	599	0	90
05-Nov-20	H430-50315-0213	17988	232	Y	Y	3	19	0	0	0	1	5	5	0	69	0	0	0	0	0	2072	1279	1377	476	0	85
03-Sep-20	H430-50255-0304	17752	246	Y	Y	4	25	0	0	2	1	7	4	0	79	0	0	0	0	0	2512	1496	1562	541	0	93

**OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	ST	OXI	SUL	NIT	W	A	F	PFc
17-Jun-21	H430-51175-0308	18495	247	CAT		15W-40	Y	Y	15.5	16	16	21	7	N	N	N	1.11
28-Jan-21	H430-51033-0234	18248	260	CAT		15W-40	Y	Y	16.1	17	16	22	7	N	N	N	1.93
05-Nov-20	H430-50315-0213	17988	232	CAT		15W-40	Y	Y	14.3	21	17	25	7	N	N	N	2.40
03-Sep-20	H430-50255-0304	17752	246	CAT		15W-40	Y	Y	14.7	23	17	24	7	N	N	N	2.61

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus  
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,  
TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

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Interp By: Tony Finney

## EQUIPMENT

EQUIP NUM: 5049  
SERIAL NUMBER: RJS01070  
MODEL : D9T  
MANUFACTURER : CAT  
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON  
JOB SITE : SCLF L\_A\_C\_S\_D\_DU\_H430  
AREA:  
REGION:

## SAMPLE INFORMATION

COMPARTMENT NAME : TRANSMISSION  
COMP SERIAL NUM:  
COMPARTMENT MODEL :  
LABEL#: QC  
SHOP JOB NUM :  
SAMPLE TYPE: OIL  
SAMPLE SHIP TIME (days) : 6  
SAMPLE LOCATION :

### Monitor Compartment

SILICON AND ALUMINUM ARE ELEVATED AND MAY INDICATE DIRT ENTRY. PARTICLE COUNT IS ELEVATED. IRON IS ELEVATED AND MAY INDICATE CLUTCH PLATES WEAR. CUT OPEN FILTER(S) AND INSPECT FOR DEBRIS. INSPECT FOR SOURCE OF DIRT ENTRY INTO THE SYSTEM. CHANGE OIL AND FILTER(S) AND RESAMPLE IN 250 HOURS TO MONITOR.

LAB #

H430-51174-0426

PROCESS 23-Jun-21  
DATE

### WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B
17-Jun-21	H430-51174-0426	18495	507	N	Y	17	77	0	21	7	0	63	5	7	3	0	0	1	2	0	2573	922	1116	35	0	10
05-Nov-20	H430-50315-0318	17988	482	Y	Y	22	53	0	9	13	0	26	2	3	0	2	0	0	2	0	2731	984	1104	21	0	4
09-Jul-20	H430-50196-0626	17506	513	N	Y	15	30	0	4	13	0	16	5	2	2	2	0	0	1	0	2881	1040	1151	21	0	5
16-Mar-20	H430-50080-0512	16993	981	Y	Y	35	53	0	3	29	0	16	6	2	1	0	0	0	1	0	2897	1064	1109	16	0	2

### OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	ST	OXI	SUL	NIT	W	A
17-Jun-21	H430-51174-0426	18495	507			30	N	Y	11.8	0	4	13	4	N	N
05-Nov-20	H430-50315-0318	17988	482			30	Y	Y	10.6	0	4	17	5	N	N
09-Jul-20	H430-50196-0626	17506	513			30	N	Y	11.4	0	4	15	5	N	N
16-Mar-20	H430-50080-0512	16993	981			30	Y	Y	11.8	0	4	16	5	N	N

### OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
17-Jun-21	H430-51174-0426	N	Y	22/17	54525	24501	2148	984	783	668	289	202
05-Nov-20	H430-50315-0318	Y	Y	21/16	67279	13332	955	590	483	429	200	147
09-Jul-20	H430-50196-0626	N	Y	19/15	26729	3092	414	206	156	135	64	52
16-Mar-20	H430-50080-0512	Y	Y	19/16	26798	4411	462	361	323	302	137	92

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus  
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,  
TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

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**CONTACT INFORMATION**

PHONE:  
FAX:  
Email:

Interp By: Tony Finney

**EQUIPMENT**

EQUIP NUM: 5049  
SERIAL NUMBER: RJS01070  
MODEL : D9T  
MANUFACTURER : CAT  
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON  
JOB SITE : SCLF L\_A\_C\_S\_D\_DU\_H430  
AREA:  
REGION:

**SAMPLE INFORMATION**

COMPARTMENT NAME : FINAL DRIVE REAR LEFT  
COMP SERIAL NUM:  
COMPARTMENT MODEL :  
LABEL#: QC  
SHOP JOB NUM :  
SAMPLE TYPE: OIL  
SAMPLE SHIP TIME (days) : 6  
SAMPLE LOCATION :

**No Action  
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #  
H430-51174-0532  
PROCESS 23-Jun-21  
DATE

**WEAR/CONTAMINATION - ADDITIVES/FORMULATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B
17-Jun-21	H430-51174-0532	18495	507	N	N	0	4	0	0	0	0	3	0	0	0	0	0	0	0	0	2136	878	950	10	0	0
05-Nov-20	H430-50315-0328	17988	995	Y	U	0	17	0	0	0	0	22	1	1	1	0	0	0	1	0	2286	875	968	16	0	4
09-Jul-20	H430-50196-0634	17506	513	N		0	12	0	0	1	1	20	4	1	0	0	0	0	1	0	2427	905	1008	17	0	4
16-Mar-20	H430-50080-1038	16993	981	Y		1	23	1	0	0	0	11	4	1	3	1	0	0	7	0	2360	892	934	43	0	15

**OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	ST	OXI	SUL	NIT	W
17-Jun-21	H430-51174-0532	18495	507			50	N	N	21.1	0	3	12	5	N
05-Nov-20	H430-50315-0328	17988	995			50	Y	U	19.6	0	3	16	5	N
09-Jul-20	H430-50196-0634	17506	513			50	N		18.8	0	4	14	5	N
16-Mar-20	H430-50080-1038	16993	981			50	Y		20.2	0	3	12	4	N

**OIL CLEANLINESS**

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
17-Jun-21	H430-51174-0532	N	N	18/17	3486	1534	979	776	686	638	305	214
05-Nov-20	H430-50315-0328	Y	U	19/17	28511	3947	1268	834	652	568	238	179
09-Jul-20	H430-50196-0634	N		19/17	21074	3073	1114	718	536	460	218	165
16-Mar-20	H430-50080-1038	Y		19/17	14734	2992	1575	1098	889	798	345	260

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus  
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,  
TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

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**EQUIPMENT**

EQUIP NUM: 5049  
SERIAL NUMBER: RJS01070  
MODEL : D9T  
MANUFACTURER : CAT  
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON  
JOB SITE : SCLF L\_A\_C\_S\_D\_DU\_H430  
AREA:  
REGION:

**SAMPLE INFORMATION**

COMPARTMENT NAME : FINAL DRIVE REAR RIGHT  
COMP SERIAL NUM:  
COMPARTMENT MODEL :  
LABEL#: QC  
SHOP JOB NUM :  
SAMPLE TYPE: OIL  
SAMPLE SHIP TIME (days) : 6  
SAMPLE LOCATION :

**No Action  
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #  
H430-51174-0434  
PROCESS 23-Jun-21  
DATE

**WEAR/CONTAMINATION - ADDITIVES/FORMULATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B
17-Jun-21	H430-51174-0434	18495	507	N	NA	0	63	0	0	0	0	7	0	0	0	0	0	0	0	0	2662	964	1065	15	0	0
05-Nov-20	H430-50315-0332	17988	995	Y	U	0	25	0	0	0	0	17	1	1	2	0	0	0	1	0	2318	870	981	15	0	4
09-Jul-20	H430-50196-0720	17506	513	N	U	0	18	0	0	1	0	18	2	1	0	1	0	0	1	0	2492	908	1003	16	0	4
16-Mar-20	H430-50080-0140	16993	981	Y	N	0	33	0	0	0	0	9	5	0	2	0	0	0	7	0	2375	872	949	43	0	13

**OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	ST	OXI	SUL	NIT	W
17-Jun-21	H430-51174-0434	18495	507			50	N	NA	18.7	0	3	12	5	N
05-Nov-20	H430-50315-0332	17988	995			50	Y	U	21.1	0	3	16	5	N
09-Jul-20	H430-50196-0720	17506	513			50	N	U	19.7	0	4	14	5	N
16-Mar-20	H430-50080-0140	16993	981			50	Y	N	18.4	0	3	12	4	N

**OIL CLEANLINESS**

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
17-Jun-21	H430-51174-0434	N	NA	20/19	19047	6757	3725	2654	2211	1920	849	609
05-Nov-20	H430-50315-0332	Y	U	18/15	26322	1838	475	287	214	186	81	59
09-Jul-20	H430-50196-0720	N	U	19/17	18875	3414	1139	678	542	460	215	163
16-Mar-20	H430-50080-0140	Y	N	23/18	79795	51624	12327	1414	405	208	49	41

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus  
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,  
TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

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## CONTACT INFORMATION

PHONE:  
FAX:  
Email:

Interp By: Tony Finney

## EQUIPMENT

EQUIP NUM: 5049  
SERIAL NUMBER: RJS01070  
MODEL : D9T  
MANUFACTURER : CAT  
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON  
JOB SITE : SCLF L\_A\_C\_S\_D\_DU\_H430  
AREA:  
REGION:

## SAMPLE INFORMATION

COMPARTMENT NAME : HYDRAULIC SYSTEM  
COMP SERIAL NUM:  
COMPARTMENT MODEL :  
LABEL#: QC  
SHOP JOB NUM :  
SAMPLE TYPE: OIL  
SAMPLE SHIP TIME (days) : 6  
SAMPLE LOCATION :

### Monitor Compartment

IRON IS ELEVATED AND MAY INDICATE CYLINDER WEAR. SILICON AND ALUMINUM ARE ELEVATED AND MAY INDICATE DIRT ENTRY. PARTICLE COUNT IS ELEVATED. ALL OTHER ANALYSIS READINGS APPEAR NORMAL. CUT OPEN FILTER(S) AND INSPECT FOR DEBRIS. INSPECT FOR SOURCE OF DIRT ENTRY INTO THE SYSTEM. CHANGE OIL AND FILTER(S) AND RESAMPLE IN 250 HOURS TO MONITOR.

LAB #

H430-51174-0415

PROCESS 23-Jun-21  
DATE

### WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B
17-Jun-21	H430-51174-0415	18495	7777	N	Y	36	29	2	9	1	0	34	2	4	6	0	0	0	2	0	2419	1006	1216	71	0	5
05-Nov-20	H430-50315-0305	17988		N	Y	43	29	2	14	4	1	41	2	4	2	1	0	0	2	0	2682	988	1140	26	0	7
09-Jul-20	H430-50196-0609	17506		N		45	31	2	15	7	1	47	5	5	1	2	0	0	2	0	2949	1077	1225	30	0	8
16-Mar-20	H430-50080-0506	16993		N	Y	42	29	2	14	3	1	44	4	4	1	0	0	0	2	0	2646	993	1079	27	0	7

### OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	ST	OXI	SUL	NIT	W	A
17-Jun-21	H430-51174-0415	18495	7777			10W	N	Y	8.8	0	4	13	4	N	N
05-Nov-20	H430-50315-0305	17988				10W	N	Y	8.6	0	3	16	5	N	N
09-Jul-20	H430-50196-0609	17506				10W	N		8.3	0	4	15	4	N	N
16-Mar-20	H430-50080-0506	16993				10W	N	Y	9.1	0	3	14	4	N	N

### OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
17-Jun-21	H430-51174-0415	N	Y	20/17	25736	5922	1665	747	517	393	87	51
05-Nov-20	H430-50315-0305	N	Y	19/17	22840	4494	1439	936	805	737	424	286
09-Jul-20	H430-50196-0609	N		21/17	27282	10381	2672	1274	1002	870	332	177
16-Mar-20	H430-50080-0506	N	Y	21/17	29646	10516	1575	973	841	773	355	223

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus  
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,  
TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.



## Custom Track Service Percent Worn

**QUINN COMPANY (H430)**

LA COUNTY SANITATION PUENT

Prepared By: Nick Tafolla

<b>Model</b>	D9T	<b>Job Site</b>	Scholl Canyon		<b>Inspection Date</b>	05Oct21	
<b>Manufacturer</b>	Caterpillar		<u>Left</u>	<u>Right</u>	<b>Next Inspection Date</b>	10Sep23	
<b>Serial Number</b>	RJS01070	<b>Track Sag (4.7 in - 5.5 in)</b>	--	--	<b>Next Inspection Hours</b>	21,035	
<b>Reference Number</b>	5049	<b>Frame Ext (max 7.4 in)</b>	--	--	<b><u>Underfoot Conditions</u></b>		
<b>Hour Meter Reading</b>	18,743	<b>Frame Ext %</b>	--	--	<b>Impact</b>	Moderate	
<b>Hours Per Week</b>	22.73	<b>Dry Joints</b>	--	--	<b>Abrasion</b>	Moderate	
<b><u>Total Odometer Reading</u></b>					--	<b>Moisture</b>	Moderate
<b>Forward Odometer</b>	--				<b>Packing</b>	Moderate	
<b>Reverse Odometer</b>	--				<b>Bushing Allowable Wear</b>	Greater	
					<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		
<b>Link Assemblies</b>															
	Left:199525				Right:199525				Pitch:9.45 in (240 mm)				Sections:43		
<b>Track Link</b>	7T2275	7T2275	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.15 (U)	2.14 (U)	26%	28%	
<b>Bushing (Ext)</b>	1860781	1860781	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	0.56 (U)	0.55 (U)	36%	40%	
<b>Track Shoe</b>															
	Left Width:24in						Right Width:24in								
	2345975	2345975	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.98 (U)	2.94 (U)	51%	52%	
<b>Idlers</b>															
<b>Front</b>	1671947	1671947	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	0.85 (D)	0.85 (D)	14%	14%	
<b>Rear</b>	1671947	1671947	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	0.83 (D)	0.84 (D)	10%	12%	
<b>Track Roller</b>															
<b>Front</b>	S	1969955	1969955	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.43 (U)	2.42 (U)	31%	32%
<b>2</b>	S	1969955	1969955	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.54 (U)	2.55 (U)	20%	19%
<b>3</b>	D	1969954	1969954	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.44 (U)	2.45 (U)	10%	9%
<b>4</b>	D	1969954	1969954	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.44 (U)	2.45 (U)	10%	9%
<b>5</b>	D	1969954	1969954	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.44 (U)	2.45 (U)	10%	9%
<b>6</b>	D	1969954	1969954	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.44 (U)	2.42 (U)	10%	12%
<b>7</b>	S	1969955	1969955	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.53 (U)	2.52 (U)	21%	22%
<b>8</b>	S	1969955	1969955	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	2.44 (U)	2.43 (U)	30%	31%
<b>Sprocket</b>															
												10.1	10.1		



4992970	4992970	Replaced	Replaced	03Mar18	03Mar18	14486	14486	4,257	4,257	(T)	(T)	36%	36%
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(U) Ultrasonic | (C) Caliper | (D) Depth Gauge | (T) Tape

## General Recommendations

looks good at this time.

Photos

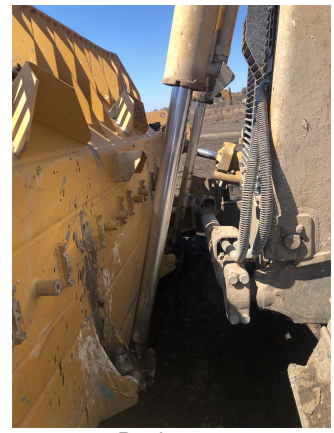
Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect



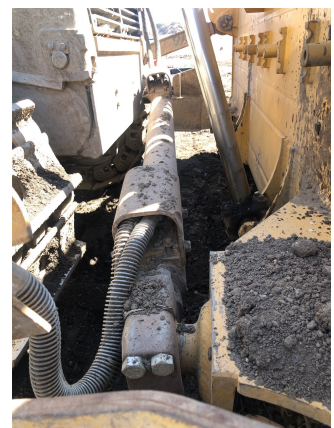
Pre-Inspect



Pre-Inspect



Pre-Inspect



Pre-Inspect

## Completed Work Order Tasks

**Asset: V 5049** 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>0913143</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE R & L CAB DOOR GLASS																									
01	10/07/2021 Comments: None	SCEM	5049 - REPLACE R & L CAB DOOR GLASS																									
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 15%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td></td> <td>Services</td> <td style="text-align: right;">0</td> <td style="text-align: right;">170</td> <td style="text-align: right;">170</td> </tr> <tr> <td></td> <td>Materials &amp; Equipment</td> <td style="text-align: right;">0</td> <td style="text-align: right;">434.94</td> <td style="text-align: right;">479.52</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>649.52</b></td> </tr> </tbody> </table>					EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT		Services	0	170	170		Materials & Equipment	0	434.94	479.52					<b>649.52</b>					
	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																								
	Services	0	170	170																								
	Materials & Equipment	0	434.94	479.52																								
				<b>649.52</b>																								
<b>0897716</b>	<b>R</b>	<b>REPAIR</b>	5049 - T/S & REPAIR A/C REPLACE FILTERS 328-3655																									
01	05/24/2021 Comments: None	SCEM	5049 - T/S & REPAIR A/C																									
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 15%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td></td> <td>Materials &amp; Equipment</td> <td style="text-align: right;">0</td> <td style="text-align: right;">216.64</td> <td style="text-align: right;">237.22</td> </tr> <tr> <td></td> <td>Labor</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">805.12</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>1042.34</b></td> </tr> </tbody> </table>					EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT		Materials & Equipment	0	216.64	237.22		Labor	0	0	805.12					<b>1042.34</b>					
	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																								
	Materials & Equipment	0	216.64	237.22																								
	Labor	0	0	805.12																								
				<b>1042.34</b>																								
<b>0891772</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR COOLANT LEAK																									
01	04/30/2021 Comments: INSPECTED AND FOUND WHERE LEAK WAS COMING FROM. LOOKED UP AND ORDERED PARTS FOR REPAIRS. RECIEVED PARTS. MADE REPAIRS TO THE BAD PARTS. FILLED WITH COOLANT AND CHECKED FOR LEAKS. NO LEAKS PRESENT. STARTED AND RAN MACHINE. VERIFIED NO LEAKS. REASSEMBLE MACHINE AND RETURNED TO WORK.	SCEM	5049 - REPAIR COOLANT LEAK																									
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 15%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td></td> <td>Labor</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">738.19</td> </tr> <tr> <td></td> <td>Services</td> <td style="text-align: right;">0</td> <td style="text-align: right;">15</td> <td style="text-align: right;">16.54</td> </tr> <tr> <td></td> <td>Materials &amp; Equipment</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1258.93</td> <td style="text-align: right;">1387.97</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>2142.7</b></td> </tr> </tbody> </table>					EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT		Labor	0	0	738.19		Services	0	15	16.54		Materials & Equipment	0	1258.93	1387.97					<b>2142.7</b>
	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																								
	Labor	0	0	738.19																								
	Services	0	15	16.54																								
	Materials & Equipment	0	1258.93	1387.97																								
				<b>2142.7</b>																								

## Completed Work Order Tasks

**Asset: V 5049**      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>0883947</b>	<b>R</b>	<b>REPAIR</b>	5049 - T/S & REPAIR STEERING CODES
01	03/11/2021	SCEM	5049 - T/S & REPAIR STEERING CODES Comments: FOUND CODES FOR STEERING SPEED SENSOR AND FILTER BYPASS. REPLACED FILTERS FOR TRANS AND REPLACED SENSOR AT STEERING MOTOR. RAN AND HAD NO ISSUES WITH CODES. RETURNED MACHINE TO WORK WITH NO FURTHER ISSUES

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Labor	0	0	830.46
Materials & Equipment	0	385.9	425.46
			<b>1255.92</b>

<b>0874369</b>	<b>R</b>	<b>REPAIR</b>	5049 - T/S & REPAIR STEERING SPEED SENSOR #1
01	01/25/2021	SCEM	5049 - T/S & REPAIR STEERING SPEED SENSOR #1 Comments: T/S CODES FOR STEERNIG. LOCATED SENSOR. REMOVED SENSOR, CLEANED AND REINSTALLED. TESTED AND MACHINE HAD NO FURTHER ISSUES WITH STEERING CODES. RETURNED MACHINE TO WORK.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Labor	0	0	573.38
			<b>573.38</b>

<b>0873911</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR A/C SWITCH
01	01/25/2021	SCEM	5049 - REPAIR A/C SWITCH Comments: CONTROL KNOB HAD BEEN LOST AND SWITCH BROKE. REMOVED OLD SWITCH AND ORDERED NEW. INSTALLED NEW SWITCH AND INSTALLED KNOW. TESTED AND ALL WORKED FINE. RETURNED MACHINE TO WORK.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Labor	0	0	461.36
Materials & Equipment	0	79.81	87.97
			<b>549.33</b>

### Completed Work Order Tasks

**Asset: V 5049**      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>0869871</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR COOLANT LEAK		
01	12/28/2020	SCEM	5049 - REPAIR COOLANT LEAK Comments: DROPPED PANS AND CLEANED OUT. ADDED WATER TO FIND LEAK. FOUND LEAK AND ORDERED PARTS. RECIEVED PARTS. REMOVED BAD PART AND INSTALLED NEW PARTS. FILLED WITH COOLANT AND CHECKED FOR LEAKS. NO LEAKS. RAN MACHINE AND VERIFIED NO LEAKS. REINSTALLED BELLY PANS AND RETURNED MACHINE TO WORK.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>	<b>REVISED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0	93.04	102.58
		Labor	0	0	1102.82
					<b>1205.3999999999999</b>
<b>0866096</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE TILT LINE (RADIATOR SIDE)		
01	12/16/2020	SCEM	5049 - REPLACE TILT LINE (RADIATOR SIDE) Comments: TOOK STOCK HOSES DOWN TO MACHINE. VERIFIED BAD HOSE. REMOVED GUARD AND REMOVED BAD HOSE. INSTALLED NEW HOSE WITH NEW SEALS. TESTED WITH NO FURTHER LEAKS. REINSTALLED GUARD. RETURNED MACHINE TO WORK		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>	<b>REVISED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0	194.3	214.21
		Services	0	30	33.08
		Labor	0	0	184.55
					<b>431.8400000000003</b>
<b>0864705</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE R SIDE ENG COMP DOOR HINGE		
01	12/02/2020	SCEM	5049 - REPLACE R SIDE ENG COMP DOOR HINGE Comments: REMOVED DOOR AND REMOVED HINGE. REPLACED HINGE AND CLEANED OUT DOOR PIN POCKETS. INSTALLED DOOR AND CHECKED FOR PROPER OPERTION. RETURNED MACHINE TO WORK.		

## Completed Work Order Tasks

**Asset: V 5049** 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>0864705</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE R SIDE ENG COMP DOOR HINGE
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 182.1 200.76
		Labor	0 0 184.55
			<b>385.31</b>
<b>0864547</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE
01	06/17/2021	SCEM	5049 CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE
	Comments: SERVICE COMPLETED BY R.RODRIGUEZ		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 357.38 394.01
		Labor	0 0 401.89
			<b>795.9</b>
<b>0864546</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE
01	01/28/2021	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE
	Comments: SEREVICE COMPLETED BY R.RODRIGUEZ		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	199.68 199.68 200.95
		Materials & Equipment	0 16.32 17.99
			<b>218.94</b>
<b>0861998</b>	<b>R</b>	<b>REPAIR</b>	5049 - FLIP EDGES
01	12/21/2020	SCEM	5049 - FLIP EDGES
	Comments: REMOVED HARDWARE AND EDGES. CLEANED SURFACES INSTALLED NEW END BITS AND FLIPPED EDGES. INSTALLED NEW HARDWARE AND TIGHTENED DOWN. RETURNED MACHINE TO WORK.		

## Completed Work Order Tasks

**Asset: V 5049** 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>0861998</b>	<b>R</b>	<b>REPAIR</b>	5049 - FLIP EDGES
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 569.97 628.39
		Labor	0 0 687.6
			<b>1315.99</b>
<b>0861842</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR MUFFLER CRACKED AT MOUNTING WELDS
01	11/16/2020	SCEM	5049 - REPAIR MUFFLER CRACKED AT MOUNTING WELDS Comments: LOWERED COOLANT LEVEL AND REMOVED HOOD. REMOVED MUFFLER FROM HOOD. WELDER MADE REPAIRS TO MUFFLER. REINSTALLED MUFFLER AND INSTALLED HOOD BACK ONTO MACHINE. FILLED WITH COOLANT AND RAN. NO FURTHER EXHAUST LEAKS.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 84.91 93.62
		Labor	0 0 977.88
			<b>1071.5</b>
<b>0859454</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE
01	11/05/2020	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE Comments: SERVICE COMPLETED BY R.RODRIGUEZ
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	351.35 351.35 401.89
		Materials & Equipment	0 424.37 467.86
			<b>869.75</b>
<b>0858958</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR BELTS AND PULLYS
01	10/16/2020	SCEM	5049 - REPAIR BELTS AND PULLYS

## Completed Work Order Tasks

**Asset: V 5049** 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>0858958</b>	<b>R</b>	<b>REPAIR</b>	<b>5049 - REPAIR BELTS AND PULLYS</b>
			Comments: REMOVED WHAT WAS LEFT OF OLD BELT. FOUND TENSIONER PULLEY GOING BAD. REMOVED AND REPLACE WITH GOOD USED TENSIONER ASSEMBLY. REPLACED BELT. STARTED AND RAN. RETURNED MACHINE TO WORK.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>
		<b>REVISSED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Labor	461.36
		Materials & Equipment	78.27
			<b>539.63</b>
<b>0858419</b>	<b>R</b>	<b>REPAIR</b>	<b>5049 - REPAIR AIR FILTER COVER STRAPS</b>
01	10/06/2020	SCEM	5049 - REPAIR AIR FILTER COVER STRAPS Comments: COVER CLIP HAD WORN OUT AND BROKE. REMOVED BROKEN CLIPS AND DRILLED AND TAP NEW HOLES AND MODIFY HARDWARE TO FIT. INSTALLED NEW CLIPS AND TESTED. INTAKE COVER WAS SECURE.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>
		<b>REVISSED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Labor	653.26
			<b>653.26</b>
<b>0853592</b>	<b>R</b>	<b>REPAIR</b>	<b>5049- REPLACE BROKEN RIGHT SIDE CAB DOOR GLASS</b>
01	10/06/2020	GLASS	5049- REPLACE BROKEN RIGHT SIDE CAB DOOR GLASS Comments: BOURETT GLASS CAME OUT WITH GLASS AND REPLACED.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>
		<b>REVISSED_ESTIMATE_AMC</b>	<b>ACTUAL_AMOUNT</b>
		Materials & Equipment	239.76
		Services	85
			<b>324.76</b>
<b>0847840</b>	<b>R</b>	<b>REPAIR</b>	<b>5049 - REPLACE ACCESSORY PULLEY (SMOOTH)</b>
01	08/31/2020	SCEM	5049 - REPLACE ACCESSORY PULLEY (SMOOTH) Comments: None



## Completed Work Order Tasks

**Asset: V 5049** 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>0847840</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE ACCESSORY PULLEY (SMOOTH)
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 141.08 155.54
		Labor	0 0 92.27
			<b>247.81</b>
<b>0844172</b>	<b>R</b>	<b>REPAIR</b>	5049 - T/S REPAIR SHIFT ISSUE IN ELECTRICAL SYSTEM
01	10/06/2020	SCEM	5049 - T/S REPAIR SHIFT ISSUE IN ELECTRICAL SYSTEM Comments: OPERATOR STATED THAT IT WOULD NOT UP SHIF INSPECTED AND TESTED AND COULD NOT REPLICATE COMPLAINT. THERE HAVE BEEN NO FURTHER OPERATIONAL COMPLAINTS.
		<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>0842997</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE
01	09/03/2020	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE Comments: SERVICE COMPLETED BY R.RODRIGUEZ
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 27.22 28.88
		Labor	193.83 193.83 200.95
			<b>229.82999999999998</b>
<b>0842546</b>	<b>R</b>	<b>REPAIR</b>	5049 - T/S A/C SYSTEM (ELECTRICAL)
01	07/20/2020	SCEM	5049 - T/S A/C SYSTEM (ELECTRICAL) Comments: T/S A/C SYSTEM NOT FUNCTIONING PROPERLY. FOUND LOOSE CONNECTION IN HARNESS. MADE REPAIRS TO HARNESS AND RETURNED MACHINE TO WORK.

## Completed Work Order Tasks

**Asset: V 5049** 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>0842546</b>	<b>R</b>	<b>REPAIR</b>	5049 - T/S A/C SYSTEM (ELECTRICAL)
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 89.61
			<b>89.61</b>
<b>0841241</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE
01	07/09/2020	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE
	Comments: SERVICE COMPLETED BY R.RODRIGUEZ		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 267.93
		Materials & Equipment	0 353.93 390.2
			<b>658.13</b>
<b>0837618</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR EXHAUST (STACK BROKE OFF)
01	06/23/2020	SCEM	5049 - REPAIR EXHAUST (STACK BROKE OFF)
	Comments: REMOVED REMAINING PIECE OF EXHAUST FROM MUFFLER AND THEN INSTALLED NEW STACK, CLAMP & RAIN CAP ONTO MUFFLER. TIGHTENED DOWN AND CHECKED FOR PROPER OPERATION. RETURNED MACHINE TO WORK.		
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 537.65
		Materials & Equipment	0 393.99 434.39
			<b>972.04</b>

## Completed Work Order Tasks

**Asset: V 5049** 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>0836053</b>	<b>R</b>	<b>PM</b>	5049-UNDERCARRIAGE REPLACEMENT (PARTS) IDLERS QUINN WE99435 PO# R242763 (PARTS) TRACKS QUINN WE99678 PO# R243585 (INSTALL) QUINN WF00221 PO# R245354
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01	07/23/2020	QUINN	5049-UNDERCARRIAGE REPLACEMENT (PARTS) IDLERS QUINN WE99435 PO# R242753 (PARTS) TRACKS QUINN WE99678 PO# R243585 (INSTALL) QUINN WF00221 PO# R245354  Comments: WE99435 5/29/2020 RECONDITION 4 IDLERS \$6,194.39 WE99678 6/16/2020 TRACK ASSEMBLY \$41,553.27 WF00221 7/23/2020 INSTALL \$6265.47
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	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Materials & Equipment	0	59899.78	53830.82
	Services	0	13243.95	13243.95
	Labor	0	0	542.98
				<b>67617.75</b>

<b>0834552</b>	<b>R</b>	<b>REPAIR</b>	5049 REPLACE EDGES & RIPPER TEETH
01	07/09/2020	SCEM	5049 REPLACE EDGES Comments: REMOVED EDGES AND CLEANED SURFACE AREA. INSTALLED NEW EDGES AND TRIMMED AS NECESSARY TO FIT.. R&I RIPPER TEETH

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Materials & Equipment	0	2068.29	1830.09
				<b>1830.09</b>

<b>0832855</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE SEGMENTS W/ USED SET TO EXTEND LIFE OF UNDER GRAR
01	05/19/2020	SCEM	5049 - REPLACE SEGMENTS W? USED SET TO EXTEND LIFE OF UNDER GRAR Comments: CLEANED TRACK AND BROUGHT MACHINE TO YARD. REMOVED OLD SEGMENTS CLEANED FINAL AND REPLACED WITH USED SET OF SEGMENTS. TIGHTENED DOWN AND RETURNED MACHINE TO WORK.

## Completed Work Order Tasks

**Asset: V 5049** 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>0832855</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE SEGMENTS W/ USED SET TO EXTEND LIFE OF UNDER GRAR
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 716.86
			<b>716.86</b>
<b>0832131</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE TILT LINES (RADIATOR SIDE)
01	05/19/2020	SCEM	5049 - REPLACE TILT LINES (RADIATOR SIDE) Comments: WENT TO MACHINE AND REMOVED GUARD AND REMOVED LINES. REPLACED LINES AND RAN AND CHECKED FOR LEAKS NO FURTHER LEAKS. INSTALLED GUARD AND RETURNED MACHINE TO WORK.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Materials & Equipment	0 194.3 214.21
		Labor	0 0 179.22
		Services	0 30 33.08
			<b>426.51</b>
<b>0831363</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR BLADE (WORN THIN)
01	10/06/2020	SCEM	5049 - REPAIR BLADE (WORN THIN) Comments: ASSISTED WELDER WITH HANGING AND SECURING PATCH PIECES TO FRONT OF BLADE. BLADE PATCH PIECES INSTALLED AND SECURED BY WELDER. RETURNED MACHINE BACK TO WORK. BLADE FINISHED.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b> <b>REVISED_ESTIMATE_AMC</b> <b>ACTUAL_AMOUNT</b>
		Labor	0 0 2128.06
		Materials & Equipment	0 1423.24 1558.44
			<b>3686.5</b>
<b>0831332</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE
01	05/07/2020	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE Comments: SERVICE COMPLETED BY R.RODRIGUEZ

## Completed Work Order Tasks

**Asset: V 5049** 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>0831332</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Labor	101.61 101.61 195.08
		Materials & Equipment	0 27.22 28.87
			<b>223.95000000000002</b>
<b>0830575</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR A/C INOP
01	05/19/2020	SCEM	5049 - REPAIR A/C INOP Comments: OPERATOR COMPLAINT WAS THAT A/C WOULD INTERMITTENTLY WORK. INSPECTED AND FOUND NO POWER TO COMPRESSOR AND WHEN CONNECTION WAS MOVED POWER WOULD BE RESTORED. INSPECTED WIRES AND FOUN NO ISSUES WITH WIRING. FOUND THAT HARNESS CONNECTOR SOCKET WAS NO GOOD AND NOT MAKING GOOD CONTACT. MADE REPAIRS BY REPLACING CONNECTOR. SYSTEM FUNCTIONED FINE. RETURNED MACHINE TO WORK.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Labor	0 0 716.86
			<b>716.86</b>
<b>0828351</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR POWERTRAIN OIL LINE TO COOLER
01	05/19/2020	SCEM	5049 - REPAIR POWERTRAIN OIL LINE TO COOLER Comments: LOWERED BELLY PAN AND INSPECTED AND FOUND LEAK TO BE COMING FROM POWERTRAIN OIL LINE. REMOVED LINE AND REPLACED WITH NEW LINE AND SEALS. STARTED AND RAN MACHINE. NO FURTHER LEAKS PRESENT. CLEANED AND INSTALLED BELLY PAN. RETURNED MACHINE TO WORK.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM REVISED_ESTIMATE_AMC ACTUAL_AMOUNT</b>
		Labor	0 0 467.22
		Materials & Equipment	0 206.67 227.85
		Services	0 15 16.54
			<b>711.61</b>

## Completed Work Order Tasks

**Asset: V 5049** 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>0827411</b>	<b>R</b>	<b>REPAIR</b>	5049 - CHECK AND REPAIR A/C
01	04/27/2020	SCEM	5049 - CHECK AND REPAIR A/C Comments: RECOVERED REFRIGERANT AND PULLED A VACCUM. VACCUM HELD. CHARGED WITH REFRIGERANT AND TESTED. SYSTEM FUNCTIONED AS IT SHOULD. RETURNED MACHINE TO WORK.
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>
		Labor	0
			<b>REVISED_ESTIMATE_AMC</b>
			0
			<b>ACTUAL_AMOUNT</b>
			448.04
			<b>448.04</b>
<b>0824335</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPIIR AND REPLACE LIGHTS
01	05/15/2020	SCEM	5049 - REPIIR AND REPLACE LIGHTS Comments: None
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>
		Labor	0
			<b>REVISED_ESTIMATE_AMC</b>
			0
			<b>ACTUAL_AMOUNT</b>
			179.22
			<b>179.22</b>
<b>0820579</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR EXHAUST SYSTEM
01	03/18/2020	SCEM	5049 - REPAIR EXHAUST SYSTEM Comments: REMOVED EXHAUST SHIELDING AND THEN REMOVED EXHAUST ELBOW AND ADAPTER. REMOVED SEALING RINGS FROM ADAPTER. INSTALLED NEW SEALING RINGS. INSTALLED NEW ELBOW AND ADAPTER TOGETHER AND RECONNECTED TO TURBO WITH NEW CLAMP. INSTALLED SHEILDING. STARTED AND RAN MACHINE. RETURNED MACHINE TO WORK
		<b>EXPENSE_CATEGORY</b>	<b>ORIGINAL_ESTIMATE_AM</b>
		Labor	0
		Materials & Equipment	0
			<b>REVISED_ESTIMATE_AMC</b>
			0
			2093.41
			<b>ACTUAL_AMOUNT</b>
			896.08
			2308.01
			<b>3204.09</b>
<b>0815801</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE
01	03/16/2020	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE

### Completed Work Order Tasks

**Asset: V 5049** 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>0815801</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 1000 HOUR SERVICE																				
Comments: SERVICE COMPLETED BY M.SCHATTILLY AND R. RODRIGUEZ.																							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 20%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td></td> <td>Labor</td> <td style="text-align: right;">178.8</td> <td style="text-align: right;">178.8</td> <td style="text-align: right;">822.33</td> </tr> <tr> <td></td> <td>Materials &amp; Equipment</td> <td style="text-align: right;">0</td> <td style="text-align: right;">553.21</td> <td style="text-align: right;">609.91</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>1432.24</b></td> </tr> </tbody> </table>					EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT		Labor	178.8	178.8	822.33		Materials & Equipment	0	553.21	609.91					<b>1432.24</b>
	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																			
	Labor	178.8	178.8	822.33																			
	Materials & Equipment	0	553.21	609.91																			
				<b>1432.24</b>																			
<b>0815330</b>	<b>R</b>	<b>REPAIR</b>	5049 - R&I RADIATOR (CLEAN CORES) R& I RIPPER & BLADE TILT CYLINDERS (RESEAL) 2/24/20 REPLACE THERMOSTATS																				
01	03/10/2020	SCEM	5049 - R&I RADIATOR (CLEAN CORES) R& I RIPPER & BLADE TILT CYLINDERS (RESEAL)																				
Comments: 1/31/2020. PRESSURE CLEAN CYLINDERS. DISASSEMBLED AND RESEALED. JOB COMPLETED. PT 2/1/2020. WENT TO QUINN TO PICK UP BACK ORDERED CYLINDER PARTS. INSTALLED SEALS TO COMPLETE JOB. REMOVED CYLINDERS AND SENT IN FOR REPAIRS. REMOVED RADIATOR CORES AND SENT IN FOR CLEANING. ORDERED PARTS TO REASSEMBLE. INSTALLED CYLINDERS AND CONNECTED LINES. ON BLADE TILT CYL THERE WAS 2 MISSING BOSSES. MADE NEW BOSSES AND WELDED ON. INSTALLED CYLINDER. INSTALLED SEALS FOR RADIATOR AND INSTALLED CORES. CONNECTED LINES AND REINSTALLED HODD. FILLED WITH COOLANT AND CHECKED FOR LEAKS. RAN AND TOPPED OFF COOLANT. ORDERED PARTS FOR THERMOSTATS. LOWERED FRONT BELLY PAND AND LOWERED COOLANT LEVEL REMOVED THERMOSTATS AND CLEANED INSTALLED NEW THERMOSTATS AND SEALS AND REASSEMBLED. REFILLED WITH COOLANT AND RAN. RETURNED TO WORK.																							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 20%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td></td> <td>Materials &amp; Equipment</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1669.11</td> <td style="text-align: right;">2336.88</td> </tr> <tr> <td></td> <td>Labor</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">8079.77</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>10416.650000000001</b></td> </tr> </tbody> </table>					EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT		Materials & Equipment	0	1669.11	2336.88		Labor	0	0	8079.77					<b>10416.650000000001</b>
	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																			
	Materials & Equipment	0	1669.11	2336.88																			
	Labor	0	0	8079.77																			
				<b>10416.650000000001</b>																			
<b>0814242</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR OVERHEATING CODE FOR PRIORITY VALVE																				
01	03/18/2020	SCEM	5049 - REPAIR OVERHEATING CODE FOR PRIORITY VALVE																				

## Completed Work Order Tasks

**Asset: V 5049** 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>0814242</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR OVERHEATING CODE FOR PRIORITY VALVE
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Comments: HAD AN ACTIVE CODE FOR TRANSMISSION PRIORITY VALVE. REMOVED SOLENOID AND CLEANED VALVE. INSTALLED A NEW SOLENOID AND CHECKED. CODE WAS NO LONGER ACTIVE. RETURNED MACHINE TO WORK.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Labor	0	0	1612.95
Materials & Equipment	0	25.19	27.78
			<b>1640.73</b>

<b>0814101</b>	<b>R</b>	<b>REPAIR</b>	5049 - FLIP EDGES AND REPLACE END BITS
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01      03/18/2020      SCEM      5049 - FLIP EDGES AND REPLACE END BITS  
 Comments: BLOCKED AND SECURED BLADE IN UP POSITION. CHIPPED OUT DIRT FROM HARDWARE. REMOVED HARDWARE HAD TO CUT 2 BOLTS. CLEANED SURFACE AREAS. INSTALLED NEW END BITS AND FLIPPED CUTTING EDGES. TRIMMED EDGES TO FIT AND TIGHTENED DOWN HARDWARE. PICKED UP USED HARDWARE AND END BITS. RETURNED MACHINE TO WORK.

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Labor	0	0	358.43
Materials & Equipment	0	585.3	645.29
			<b>1003.72</b>

<b>0805079</b>	<b>P</b>	<b>PM</b>	5049-CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE
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01      12/24/2019      SCEM      CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE  
 Comments: SEFRVICE COMPLETED BY R. RODRIGUEZ

EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
Labor	101.61	101.61	278.57
Materials & Equipment	0	27.06	28.7
			<b>307.27</b>



### Completed Work Order Tasks

**Asset: V 5049** 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>0804029</b>	<b>R</b>	<b>REPAIR</b>	5094 REPAIR NO HYDRAULIC FUNCTION
01	11/29/2019	CAEM	5049 REPAIR NO HYDRAULIC FUNCTION Comments: 11/29/19 MACHINE HAS INTERMITTENT ISSUE NO HYDRAULIC MOVEMENT. CHECKED CONNECTION TO PRV SOLENOID ON MAIN PUMPS. HAD OPERATOR RUN MACHINE. HYDRAULIC FUNCTIONS WORKING CORRECTLY. JOB COMPLETE.

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Labor	0	0	179.22
				<b>179.22</b>

## Completed Work Order Tasks

**Asset: V 5049** 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>0802294</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE AIR CLEANER COVER AND REPAIR LEFT SIDE DOOR. ( DEBRIS CAAME UP OUT OF TRASH AND DAMAGED DOOR, COVER, & FILTER)
	12/03/2019	SCEM	5049 - REPLACE AIR CLEANER COVER AND REPAIR LEFT SIDE DOOR. ( DEBRIS CAAME UP OUT OF TRASH AND DAMAGED DOOR, COVER, & FILTER)
01	Comments: INSPECTED AND PATCHED COVER TEMPORARILY AND REPLACED DAMAGED AIR FILTER. ORDERED NECESSARY PARTS FOR REPAIRS. PARTS ARRIVED REMOVED DAMAGED COVER AND REPLACED WITH NEW. STRAIGHTENED OUT HOSE IN DOOR. RETURNED MACHINE TO WORK.		

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Labor	0	0	306.14
	Materials & Equipment	0	114.62	126.37
				<b>432.51</b>

<b>0802167</b>	<b>R</b>	<b>PM</b>	5049 - 500 HR MECHANICAL INSPECTION
	03/18/2020	SCEM	5049 - 500 HR MECHANICAL INSPECTION
01	Comments: None		

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Labor	0	0	678.99
				<b>678.99</b>

<b>0801668</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE LEFT DOOR GLASS
	11/18/2019	SCEM	5049 - REPLACE LEFT DOOR GLASS
01	Comments: A BROKEN WINDOW WAS REPORTED. INSPECTED AND OPENED JOB AND SENT OUT E-MAILS FOR REPAIR QUOTES AND RECS FOR REPAIRS AND SCHEDULED REPAIRS. REPAIRS WHERE MADE		

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Materials & Equipment	0	289.95	239.76
	Services	0	85	85
				<b>324.76</b>

### Completed Work Order Tasks

**Asset: V 5049** 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>0800033</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR A/C SYSTEM CUTS IN AND OUT
01	11/08/2019	SCEM	5049 - REPAIR A/C SYSTEM CUTS IN AND OUT Comments: WAS TOLD A/C SYSTEM WAS CUTTING IN AND OUT AND THEN COMPLETELY QUIT BLOWING COLD. CHECKED SYSTEM AND FOUND SYSTEM CHARGED AND POWER TO ALL CIRCUITS. PULLED REFRIGERANT OUT AND THEN PULLED A VACCUM. CHARGED SYSTEM TO SPEC ANDTESTED. SYSTEM BEGAN FUNCTIONING PROPERLY AND HAVE HAD NO FURTHER ISSUES.

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Labor	0	0	127.31
				<b>127.31</b>

<b>0797208</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR EQ BAR. QUINN WE95916 PO# R231892
01	10/15/2019	SCEM	5049 - REPAIR EQ BAR. QUINN WE95916 PO# R231892 Comments: 10/15/19 QUINN WE95916 RESEALED BOTH EQ BAR END SEALS, TWO NEW PINS AND REPLACED LEFT SIDE END BEARING. \$5287.43

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Materials & Equipment	0	1757.31	1937.43
	Services	0	3350	3350
	Labor	0	0	1116.02
				<b>6403.450000000001</b>

<b>0794290</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPAIR ACCESSORY DRIVE BELT
01	09/18/2019	SCEM	5049 - REPAIR ACCESSORY DRIVE BELT Comments: None

	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT
	Labor	0	0	560.76
				<b>560.76</b>

## Completed Work Order Tasks

**Asset: V 5049** 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>0793364</b>	<b>R</b>	<b>REPAIR</b>	5049 - REPLACE EDGES & HARDWARE																				
01	10/31/2019 Comments: None	SCEM	5049 - REPLACE EDGES & HARDWARE																				
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%;">EXPENSE_CATEGORY</th> <th style="width: 15%;">ORIGINAL_ESTIMATE_AM</th> <th style="width: 15%;">REVISED_ESTIMATE_AMC</th> <th style="width: 15%;">ACTUAL_AMOUNT</th> </tr> </thead> <tbody> <tr> <td></td> <td>Labor</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">633.65</td> </tr> <tr> <td></td> <td>Materials &amp; Equipment</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1295.91</td> <td style="text-align: right;">1428.74</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>2062.39</b></td> </tr> </tbody> </table>					EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT		Labor	0	0	633.65		Materials & Equipment	0	1295.91	1428.74					<b>2062.39</b>
	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																			
	Labor	0	0	633.65																			
	Materials & Equipment	0	1295.91	1428.74																			
				<b>2062.39</b>																			
<b>0778923</b>	<b>P</b>	<b>PM</b>	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE																				
01	09/23/2019 Comments: SERVICE COMPLETED BY MSCHATTILLY	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 250 HOUR SERVICE																				
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	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																			
	Labor	98.64	98.64	339.5																			
	Materials & Equipment	0	27.06	28.7																			
				<b>368.2</b>																			
<b>0778913</b>	<b>P</b>	<b>PM</b>	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE																				
01	11/11/2019 Comments: SERVICE COMPLETED BY M.SCHATTILLY AND R. RODRIGUEZ	SCEM	CAT D9T CRAWLER TRACTOR (TIER 3 ENGINE) - 500 HOUR SERVICE																				
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	EXPENSE_CATEGORY	ORIGINAL_ESTIMATE_AM	REVISED_ESTIMATE_AMC	ACTUAL_AMOUNT																			
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