



Quinn Company - P.O. Box 226789, Los Angeles, CA, 90022, USA

PHONE: 559-891-5499

Email: soslab@quinncompany.com Web: http://quinncompany.com

CONTACT INFORMATION

PHONE:
FAX:
Email:

Interp By: Tony Finney

EQUIPMENT

EQUIP NUM: 1220
SERIAL NUMBER: RJS01720
MODEL : D9T
MANUFACTURER : CAT
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE
COMP SERIAL NUM: TXH01700
COMPARTMENT MODEL : C18_CAT
LABEL#: QC
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 3
SAMPLE LOCATION : SCLF

**No Action
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #

H430-51197-0137

PROCESS 16-Jul-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
13-Jul-21	H430-51197-0137	19496	233	Y	Y	4	12	0	0	4	0	5	2	0	103	0	0	0	0	0	2980	1323	1506	372	0	65
06-Apr-21	H430-51118-0438	19005	247	Y	Y	3	11	0	0	1	0	5	0	0	94	0	0	0	0	0	2806	1413	1631	677	0	108
11-Jan-21	H430-51012-0326	18537	288	Y	Y	11	30	1	5	8	1	19	10	2	121	0	0	1	0	0	315	431	471	709	0	118
27-Oct-20	H430-50303-0112	18249	266	Y	Y	7	20	0	1	5	2	9	3	0	87	0	0	0	0	0	2644	1524	1722	630	0	96

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
13-Jul-21	H430-51197-0137	19496	233			15W-40	Y	Y	15.3	12	19	23	9	N	N	N	1.10
06-Apr-21	H430-51118-0438	19005	247			15W-40	Y	Y	15.9	7	21	25	9	N	N	N	0.74
11-Jan-21	H430-51012-0326	18537	288			15W-40	Y	Y	15.7	14	20	25	9	N	N	N	1.01
27-Oct-20	H430-50303-0112	18249	266			15W-40	Y	Y	17.0	9	14	22	7	N	N	N	0.66

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: 1220
SERIAL NUMBER: RJS01720
MODEL : D9T
MANUFACTURER : CAT
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : TRANSMISSION
COMP SERIAL NUM:
COMPARTMENT MODEL :
LABEL#: QC
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 3
SAMPLE LOCATION : SCLF

**No Action
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #
H430-51197-0515
PROCESS DATE 16-Jul-21

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
13-Jul-21	H430-51197-0515	19496	235	N	U	4	7	0	0	2	0	6	3	2	6	0	0	0	4	0	2857	1016	1142	49	0	15
06-Apr-21	H430-51118-0717	19005	1022	Y	Y	3	6	0	0	2	1	4	1	1	11	0	0	0	1	0	2840	986	1098	80	0	20
11-Jan-21	H430-51014-0919	18537	554	N	Y	3	5	0	0	3	1	10	0	1	3	0	0	0	0	0	2359	936	1031	32	0	5
27-Oct-20	H430-50303-0320	18249	266	N	N	4	5	0	0	3	1	6	6	1	3	0	0	0	0	0	2838	1038	1232	34	0	6

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
13-Jul-21	H430-51197-0515	19496	235	CAT	TRANS	30	N	U	13.4	0	4	14	4	N	N
06-Apr-21	H430-51118-0717	19005	1022	CAT	TRANS	30	Y	Y	12.4	0	5	19	6	N	N
11-Jan-21	H430-51014-0919	18537	554	CAT	TRANS	30	N	Y	11.2	0	3	12	4	N	N
27-Oct-20	H430-50303-0320	18249	266	CAT	TRANS	30	N	N	12.5	0	3	15	4	N	N

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
13-Jul-21	H430-51197-0515	N	U	20/15	23194	5858	964	183	107	78	18	13
06-Apr-21	H430-51118-0717	Y	Y	19/16	11469	3544	1023	468	356	304	156	120
11-Jan-21	H430-51014-0919	N	Y	20/17	23505	5004	1821	877	537	430	132	67
27-Oct-20	H430-50303-0320	N	N	20/16	28516	7121	1065	523	410	370	168	128

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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Interp By: Tony Finney

EQUIPMENT

EQUIP NUM: 1220
SERIAL NUMBER: RJS01720
MODEL : D9T
MANUFACTURER : CAT
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON
JOB SITE :
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) : 3
SAMPLE LOCATION :

**No Action
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #

H430-51197-0536

PROCESS 16-Jul-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
13-Jul-21	H430-51197-0536	19496	491	N	U	0	2	0	0	0	1	13	1	2	1	0	0	0	0	0	2317	737	843	13	0	3
06-Apr-21	H430-51118-1030	19005	1022	Y		1	133	1	18	0	0	78	8	5	3	0	0	0	1	0	2253	841	949	15	0	2
11-Jan-21	H430-51014-0929	18537	554	N	N	0	50	0	6	0	1	36	0	2	1	0	0	0	0	0	1943	778	870	14	0	2
27-Oct-20	H430-50303-0331	18249	266	N		1	22	1	2	2	1	22	7	2	2	0	2	0	1	0	2425	906	1084	15	0	3

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
13-Jul-21	H430-51197-0536	19496	491	CAT		50	N	U	20.6	0	3	13	2	N
06-Apr-21	H430-51118-1030	19005	1022	CAT		50	Y		20.7	0	4	18	7	N
11-Jan-21	H430-51014-0929	18537	554	CAT		50	N	N	17.6	0	3	12	4	N
27-Oct-20	H430-50303-0331	18249	266	CAT		50	N		20.6	0	4	15	4	N

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
13-Jul-21	H430-51197-0536	N	U	22/16	49123	23932	2704	514	298	228	56	33
06-Apr-21	H430-51118-1030	Y		22/18	46706	30922	7642	1866	988	832	384	295
11-Jan-21	H430-51014-0929	N	N	22/17	65750	24256	3820	1249	683	472	107	77
27-Oct-20	H430-50303-0331	N		21/18	31935	10372	2727	1456	993	814	326	247

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

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FAX:
Email:

Interp By: Tony Finney

EQUIPMENT

EQUIP NUM: 1220
SERIAL NUMBER: RJS01720
MODEL : D9T
MANUFACTURER : CAT
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON
JOB SITE :
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) : 3
SAMPLE LOCATION :

**No Action
Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #

H430-51197-0528

PROCESS 16-Jul-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
13-Jul-21	H430-51197-0528	19496	491	U	U	0	18	1	0	4	1	7	1	2	1	0	0	0	0	0	2517	845	960	13	0	3
06-Apr-21	H430-51118-0739	19005	1022	Y		0	45	0	0	1	0	11	3	1	1	0	0	0	0	0	2426	856	965	14	0	3
11-Jan-21	H430-51014-0928	18537	554	N	N	0	30	0	0	1	0	9	0	1	2	0	0	0	0	0	2048	798	880	14	0	2
27-Oct-20	H430-50303-0332	18249	266	N		0	19	0	0	2	0	12	6	1	1	0	0	0	0	0	2517	923	1100	15	0	3

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
13-Jul-21	H430-51197-0528	19496	491	CAT		50	U	U	19.9	0	3	13	4	N
06-Apr-21	H430-51118-0739	19005	1022	CAT		50	Y		19.1	0	4	18	6	N
11-Jan-21	H430-51014-0928	18537	554	CAT		50	N	N	19.8	0	3	12	4	N
27-Oct-20	H430-50303-0332	18249	266	CAT		50	N		21.4	0	3	15	4	N

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
13-Jul-21	H430-51197-0528	U	U	18/16	10896	1959	648	333	236	188	76	58
06-Apr-21	H430-51118-0739	Y		19/17	25002	3687	1159	751	599	516	284	225
11-Jan-21	H430-51014-0928	N	N	20/16	38529	5261	868	374	254	205	72	47
27-Oct-20	H430-50303-0332	N		19/17	26449	3856	1600	1134	882	763	341	259

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,
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Interp By: Tony Finney

EQUIPMENT

EQUIP NUM: 1220
SERIAL NUMBER: RJS01720
MODEL : D9T
MANUFACTURER : CAT
COMPANY NAME : COUNTY SANITATION DIST. 2 - SCHOLL CANYON
JOB SITE :
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) : 3
SAMPLE LOCATION : SCHOOL CANYON

**No Action
Required**

UNKNOWN HOURS ON THE OIL. ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

LAB #

H430-51197-0502

PROCESS 16-Jul-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
13-Jul-21	H430-51197-0502	19496		N	N	9	10	2	5	0	0	17	2	3	2	0	0	0	1	0	2948	1029	1173	25	0	5
06-Apr-21	H430-51118-1005	19005		N	Y	7	9	1	4	1	0	15	3	1	2	0	0	0	1	0	2975	1030	1150	26	0	5
11-Jan-21	H430-51014-0909	18537		N	N	6	9	1	3	1	0	14	2	1	2	0	0	0	1	0	2454	1012	1084	26	0	5
29-Aug-20	H430-50248-0806	17983		N	Y	5	5	0	2	1	0	10	4	1	2	0	0	0	1	0	2665	959	1063	25	0	5

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
13-Jul-21	H430-51197-0502	19496		CAT		10W	N	N	8.7	0	4	13	4	N	N
06-Apr-21	H430-51118-1005	19005		CAT		10W	N	Y	8.5	0	4	18	6	N	N
11-Jan-21	H430-51014-0909	18537		CAT		10W	N	N	7.1	0	3	12	4	N	N
29-Aug-20	H430-50248-0806	17983		CAT		10W	N	Y	7.9	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
13-Jul-21	H430-51197-0502	N	N	19/16	13429	3498	984	453	346	305	154	101
06-Apr-21	H430-51118-1005	N	Y	19/18	16843	4969	2311	1804	1644	1557	726	460
11-Jan-21	H430-51014-0909	N	N	18/16	22510	1823	783	625	541	492	189	103
29-Aug-20	H430-50248-0806	N	Y	19/18	21613	2926	1599	1378	1219	1128	480	278

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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