

TOROMONT

CAT

TOROMONT CAT - Fluid Analysis Laboratory, Laboratoire d'analyse des fluides, 5001 Trans-Canada Highway,

Pointe-Claire, QC H9R 1B8, Web: www.toromontcat.com, Email: soslab@toromont.com

PHONE: (866) 569-5979

CONTACT INFORMATION

PHONE:

FAX:

Email:

Interp By: Chong Duong

EQUIPMENT

EQUIP NUM: HE1415

SERIAL NUMBER: DKS01543

MODEL : 336

MANUFACTURER : CAT

COMPANY NAME : COOPER EQUIPMENT RENTALS LTD - HUB

JOB SITE :

AREA:

REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : FINAL DRIVE REAR RIGHT

COMP SERIAL NUM:

COMPARTMENT MODEL :

LABEL#: 225974992

SHOP JOB NUM :

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) : 34

SAMPLE LOCATION :

**Action
Required**

WATER WAS DETECTED IN THIS SAMPLE. FE, CR, AL, SI AND PQI ARE HIGH. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. UNABLE TO RUN VISCOSITY TESTS DUE TO WATER IN SAMPLE. WATER MAY BE DUE TO WATER ENTRY AND/OR EXTERNAL CONTAMINATION. AL AND SI ARE INDICATIVE OF DIRT ENTRY. WATER AND/OR DIRT ENTRY MAY BE CAUSING ABNORMAL WEAR. RECOMMEND IMMEDIATE DRAINING AND FLUSHING OF THE OIL TO REMOVE CONTAMINATION AND WEAR METALS. RESAMPLE IN 50HR TO MONITOR THE SYSTEM. IF SUBSEQUENT SAMPLES CONTINUE TO PRODUCE VERY HIGH CR, INSPECT THE FINAL DRIVE FOR ABNORMAL GEAR AND BEARING WEAR.

LAB #

N02A-55083-0928

PROCESS 24-Mar-25
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	Ti	V	Mn	Cd	Ca	P	Zn	Mg	Ba	B
18-Feb-25	N02A-55083-0928	8152.0	6275.0	Y	N	12	7643	38	770	2	0	3220	170	309	3	0	0	42	2	66	0	4700	1128	1247	305	11	0
08-Feb-22	N02A-52068-0074	1877.0	935.0	Y	N	0	234	2	21	0	0	79	2	5	1	0	0	1		3	0	3462	1152	1330	24	2	3
04-Jan-21	N02A-51008-2350	942.0	942.0	Y	U	1	180	2	0	0	0	12	3	8	0	0	0	0		3	0	3669	986	1192	13	6	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
18-Feb-25	N02A-55083-0928	8152.0	6275.0	PETRO-CAN	PROUDRO TO	30	Y	N		26	2	22	0	P
08-Feb-22	N02A-52068-0074	1877.0	935.0	KENDALL		30	Y	N	10.88	0	4	17	4	N
04-Jan-21	N02A-51008-2350	942.0	942.0	KENDALL		30	Y	U	10.6	0	8	15	5	N

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	PQI
18-Feb-25	N02A-55083-0928	Y	N	3323
08-Feb-22	N02A-52068-0074	Y	N	150
04-Jan-21	N02A-51008-2350	Y	U	95

Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cd = Cadmium, Cr = Chromium, Cu = Copper, Fe = Iron, K = Potassium, Mg = Magnesium, Mn = Manganese, Mo = Molybdenum, NIT = Nitration, Na = Sodium, Ni = Nickel, OXI = Oxidation, P = Phosphorus, PQI = Particle Quantifying index, ST = Soot, SUL = Sulfation, Si = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, V100 = Viscosity@100C, W = Water, Zn = Zinc

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.