

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: Joseph Al-Achkar

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 LEFT

COMP SERIAL NUM:

COMPARTMENT MODEL :

LABEL#: 225973488

SHOP JOB NUM :

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) : 34

SAMPLE LOCATION :

**Action
Required**

Cr, Fe, Si/Al AND PQi ARE EXCESSIVE, DESPITE MACHINE IS RUNNING IN BREAK-IN PERIOD. PRESENCE OF WATER. INDICATION OF DIRT AND WATER ENTRY CAUSING WEAR. STOP IMMEDIATELY THE UNIT FOR INSPECTION. INSPECT OIL AND COMPARTMENT (MAGNETIC PLUG(S)/FILTER, IF AVAILABLE) FOR PRESENCE OF VISIBLE AND SUSPICIOUS PARTICLES... LOCATE WHERE DIRT AND WATER COMING FROM. INVESTIGATE-REPAIR. CHANGE OIL AND RESAMPLE AT THE RECOMMENDED INTERVAL.

LAB #

N02A-55083-0942

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-55083-0942	8152.0	6275.0	Y	N	9	6358	30	626	3	0	2581	138	249	3	0	0	35	2	53	0	4162	1115	1224	228	9	0
25-Nov-21	N02A-52024-0701	1877.0	935.0	Y	NA	1	145	2	7	0	0	34	3	7	1	0	0	0		2	0	3374	1050	1233	15	3	3
04-Jan-21	N02A-51008-2354	942.0	942.0	Y	U	2	191	3	1	0	0	15	4	9	0	0	0	0		4	0	3586	950	1176	13	7	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-55083-0942	8152.0	6275.0	PETRO-CAN	PROUDRO TO	30	Y	N						E
25-Nov-21	N02A-52024-0701	1877.0	935.0	KENDALL		30	Y	NA	11.05	0	5	17	4	N
04-Jan-21	N02A-51008-2354	942.0	942.0	KENDALL		30	Y	U	10.8	0	8	15	5	N

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	PQI
18-Feb-25	N02A-55083-0942	Y	N	2171
25-Nov-21	N02A-52024-0701	Y	NA	153
04-Jan-21	N02A-51008-2354	Y	U	98

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.