

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: TR2036

SERIAL NUMBER: 742418

MODEL : A30G

MANUFACTURER : VOLVO

COMPANY NAME : COOPER EQUIPMENT RENTALS LTD - HUB

JOB SITE :

AREA:

REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : BRAKE

COMP SERIAL NUM:

COMPARTMENT MODEL :

LABEL#: 225827432

SHOP JOB NUM :

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) : 17

SAMPLE LOCATION :

Monitor
Compartment

HIGH COPPER LEVEL WITHOUT CO-METALS (Sn, Pb, Al) USUALLY INDICATES COOLER CORE LEACHING AND IS NOT RELATED TO WEAR OF BRONZE/BRASS COMPONENT. CONTINUE SAMPLING AT THE NORMAL SAMPLE INTERVAL TO MONITOR.

LAB #

N02A-55051-0356

PROCESS 20-Feb-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
03-Feb-25	N02A-55051-0356	6275.0	2854.0	Y	Y	232	40	0	1	1	1	18	4	0	0	1	0	0		1	0	3243	1209	1461	5	0	89
31-Oct-23	N02A-53320-1182	4531.0	1110.0	N	Y	222	19	0	0	0	1	13	0	2	0	0	0	0		1	0	3221	1157	1328	5	0	87
11-Oct-22	N02A-52318-0840	3421.0	1463.0	Y	N	175	20	0	1	0	0	15	6	2	1	1	0	0	0	1	0	3486	1180	1434	8	0	103
06-Jul-21	N02A-51193-0736	1958.0	1958.0	Y	Y	198	23	0	0	0	0	20	6	4	1	1	0	0		1	0	3680	1318	1515	5	0	106

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
03-Feb-25	N02A-55051-0356	6275.0	2854.0	VOLVO	WB102		Y	Y	7.570	0	15	24	0	N
31-Oct-23	N02A-53320-1182	4531.0	1110.0	VOLVO		15W	N	Y	7.700	0	15	24	0	N
11-Oct-22	N02A-52318-0840	3421.0	1463.0	VOLVO		15W	Y	N	8.050	0	17	28	4	N
06-Jul-21	N02A-51193-0736	1958.0	1958.0	VOLVO		20W	Y	Y	8.4	0	20	28	3	N

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	4μ	6μ	14μ	21μ	38μ	50μ	70μ
03-Feb-25	N02A-55051-0356	Y	Y	21/18/10	13525	1995	10	0	0	0	0
31-Oct-23	N02A-53320-1182	N	Y	20/18/14	8980	2175	150	65	25	5	0
11-Oct-22	N02A-52318-0840	Y	N	24/22/18	127090	23895	1420	570	15	10	0
06-Jul-21	N02A-51193-0736	Y	Y	23/21/15	44750	18118	214	56	3	2	1

Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cd = Cadmium, Cr = Chromium, Cu = Copper, Fe = Iron, ISO = ISO Rating, K = Potassium, Mg = Magnesium, Mn = Manganese, Mo = Molybdenum, NIT = Nitration, Na = Sodium, Ni = Nickel, OXI = Oxidation, P = Phosphorus, ST = Soot, SUL = Sulfation, Si = Silicon, Sn = Tin, Ti = Titanium, 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.