

N10-1
BLUE-MAR



FINNING CANADA LTD. - Fluid Analysis Laboratory 10910-170th St Edmonton, AB T5S 1H6

Web: www.finning.com Email: oilsupport@finning.com

ENGINE

EQUIP NUM: 509

SERIAL NUMBER: R9J01180

CAT 14M

No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Jun-25

N030-55171-0120

LABEL#: 201397286

SAMPLE SHIP TIME (days) : 121

SMOKY LAKE COUNTY

RECEIVED DATE: 20-Jun-25

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

FINNING CAT 1-888-FINNING | finning.com Bottle label must be retained to track

UNIT#	509	COMPARTMENT	ENGINE
SHOP / JOB WORK ORDER#	12,951		
DATE	FEB 19, 2025	BOTTLE LABEL #	2013 972 86
		REQ'D (RECORD LABEL # FROM BOTTLE)	SL - 622

SAMPLE INFORMATION

	19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
Sampled Date	19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
Sample Id	N030-55171-0120	N030-54362-0147	N030-54234-0067	N030-53311-0227
Lab Date	20-Jun-25	27-Dec-24	21-Aug-24	07-Nov-23
Meter [Hr]	12951	12528	12090	11125
Comp Meter [Hr]	12951	12528	12090	11125
Meter On Fluid	423	438	965	270
Fluid Brand	OTHER	OTHER	OTHER	OTHER
Fluid Weight	0W-40	15W-40	0W-40	0W-40
Fluid Type	PROPEL	PROPEL	PROPEL	PROPEL
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	U	Y
Oil Drain Loop	U	U	U	U

CONDITION / CONTAMINATION

		19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.20	13.70	13.70	13.40
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	83.30	86.80	89.60	80.70
VISCOSITY INDEX					
VI	Viscosity Index	177	161	156	169

WEAR LEVELS / ADDITIVES

		19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	2	2	2	3
K	Potassium	0	1	2	0
Si	Silicon	2	2	4	2
Al	Aluminum	0	0	0	0
Fe	Iron	26	27	20	13
Cr	Chromium	1	0	0	0
Pb	Lead	4	4	2	0
Cu	Copper	3	5	3	1
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1241	1339	1276	1198
Ca	Calcium	1047	1222	1100	1061
Mg	Magnesium	1095	1025	1016	904
Ba	Barium	0	0	0	0
B	Boron	1	1	2	0
Mo	Molybdenum	65	61	61	54
P	Phosphorus	1006	1063	1012	994

INFRARED (UFM)

		19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
ST	Soot	10	10	8	3
OXI	Oxidation	20	21	19	16
SUL	Sulfate By-Product	21	23	21	20
	Sulfur Products	21	23	21	20
NIT	Nitration	9	9	9	7

ANTIFREEZE

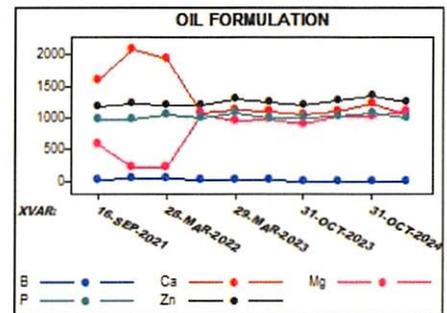
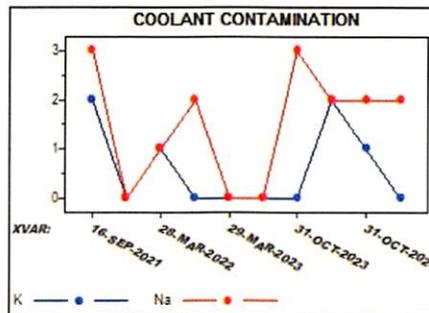
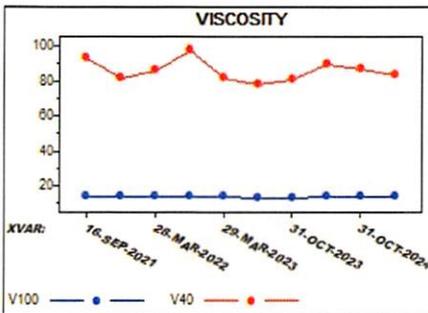
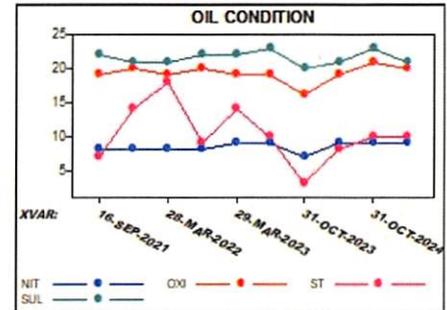
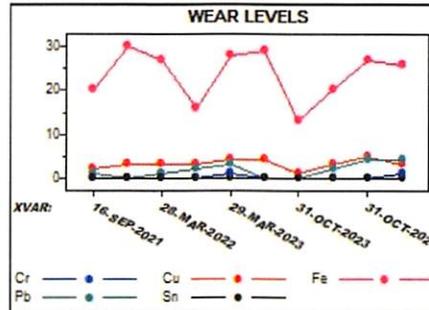
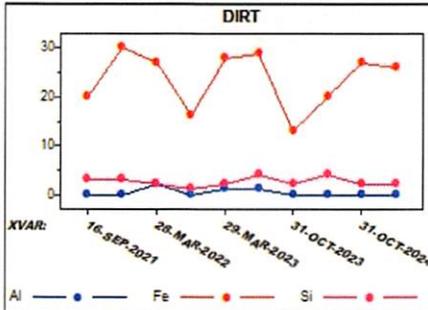
		19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
A	Antifreeze	N	N	N	N

FUEL

		19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
F	Fuel	N	N	N	N

WATER

		19-Feb-25	31-Oct-24	26-Jul-24	31-Oct-23
W	Water	N	N	N	N



Report Comment

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