

V43-1
MAY

ENGINE

EQUIP NUM: LT0506

SERIAL NUMBER: JX909417

N03C-56020-1059

LABEL#: 201952028

SHOP JOB NUM : 2305

SAMPLE SHIP TIME (days) : 32

HEAVY TECH REPAIRS

RECEIVED DATE: 20-Jan-26

CAT 289D3



No Action Required

Interp By: Gregory Scribner

Interpreted On: 23-Jan-26

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

SAMPLE INFORMATION

	19-Dec-25	10-Aug-25	08-Jan-24	08-Aug-23
Sample Id	N03C-56020-1059	N030-55226-0104	N030-54030-0482	N030-53222-1504
Lab Date	20-Jan-26	14-Aug-25	30-Jan-24	10-Aug-23
Meter [Hr]	4072	2882	1210	675
Comp Meter [Hr]	4072	2882	1210	675
Meter On Fluid	250	250	250	275
Fluid Brand	MOBIL	MOBIL	MOBIL	
Fluid Weight	5W-40	5W-40	5W-40	0W-40
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	12	12	15	
Kidney Loop	U	U	U	N

PREVIOUS SAMPLE

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

CONDITION / CONTAMINATION

		19-Dec-25	10-Aug-25	08-Jan-24	08-Aug-23
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.60	12.70	13.70	13.60

VISCOSITY (Centistokes)

V40	Viscosity at 40 C	80.10	73.90	82.80	75.40
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VISCOSITY INDEX

VI	Viscosity Index	191	173	170	186
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WEAR LEVELS / ADDITIVES

	19-Dec-25	10-Aug-25	08-Jan-24	08-Aug-23	
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	2	1	0	1
K	Potassium	1	1	0	0
Si	Silicon	4	1	1	4
Al	Aluminum	1	1	0	1
Fe	Iron	6	2	5	11
Cr	Chromium	0	0	0	0
Pb	Lead	0	0	0	0
Cu	Copper	1	0	1	26
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	2	0
Zn	Zinc	1151	1193	1213	1201
Ca	Calcium	1036	921	1045	1108
Mg	Magnesium	991	855	1026	895
Ba	Barium	0	0	0	0
B	Boron	2	105	9	6
Mo	Molybdenum	54	44	57	57
P	Phosphorus	938	1004	1043	978

INFRARED (UFM)

ST	Soot	0	0	0	0
OXI	Oxidation	15	43	17	17
SUL	Sulfate By-Product	19	38	20	19
	Sulfur Products	19	38	20	19
NIT	Nitration	7	7	7	8

ANTIFREEZE

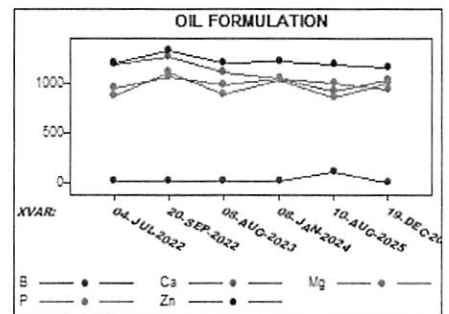
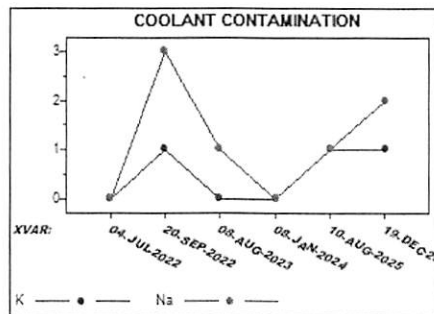
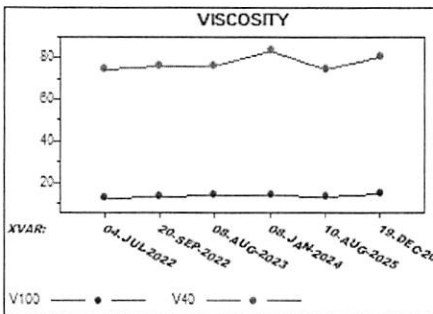
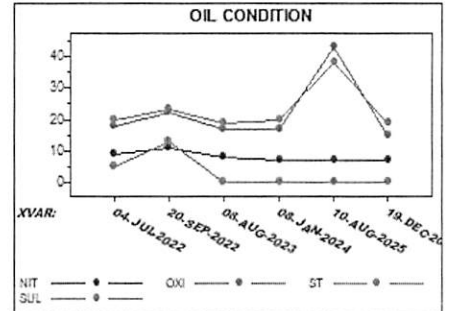
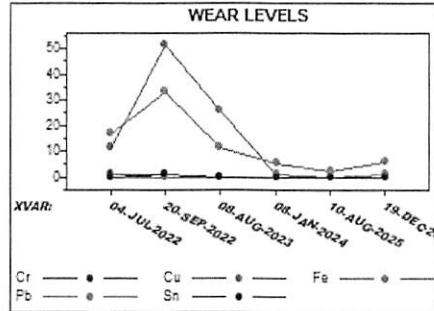
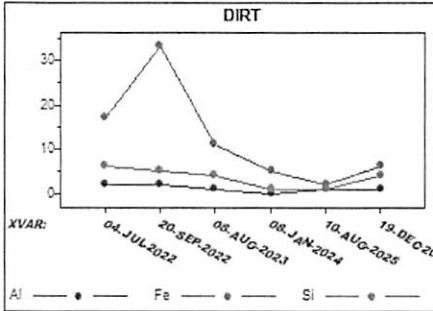
A	Antifreeze	N	N	N	N
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FUEL

F	Fuel	N	N	N	N
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WATER

W	Water	N	N	N	N
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Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vl.cat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. SOS Web will no longer be available on March 2, 2026. Have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.

RADIATOR

EQUIP NUM: LT0506

SERIAL NUMBER: JX909417

N030-52266-9031

SAMPLE SHIP TIME (days) : 3

HEAVY TECH REPAIRS

RECEIVED DATE: 23-Sep-22

CAT 289D3



No Action Required

**Interp By: Greg Eyre
Interpreted On: 27-Sep-22**

ALL LEVEL 1 TESTS APPEAR NORMAL. CONTINUE TO USE THIS COOLANT. SAMPLE AGAIN AT THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.

SAMPLE INFORMATION



Sampled Date	20-Sep-22
Sample Id	N030-52266-9031
Lab Date	23-Sep-22
Meter [Hr]	524
Comp Meter [Hr]	524
Meter On Fluid	524
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U

ADDITIONAL CHARACTERISTICS

20-Sep-22

REFRACTIVE INDEX

GL	Glycol (%)	52
FP	Freeze Point (°C)	-41
BP	Boil Point (°C)	108

pH

pH	pH	8.4
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CONDUCTIVITY (µS/cm)

CON	Conductivity	4940
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CORROSION LEVELS/ CHEMISTRY

PHYSICAL

Foam	Foam	norm
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NITRITE (ppm)

NO2	Nitrite	356
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PHYSICAL CHARACTERISTICS

20-Sep-22

PHYSICAL

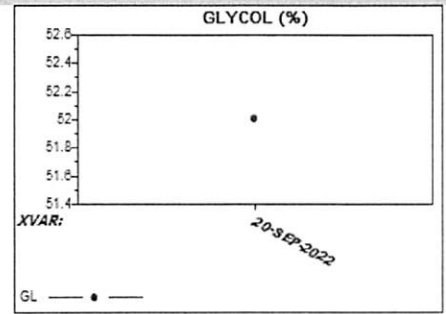
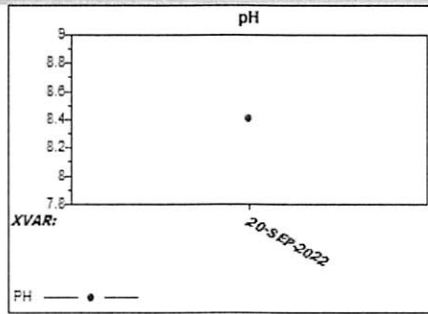
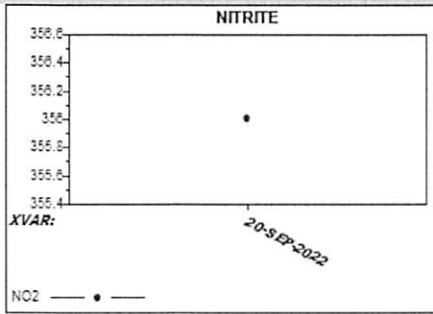
Color	Color	red
App	Appearance	clear
Odor	Odor	norm
Oil	Oil	none
PAmt	Precip Amount	none

RADIATOR
SERIAL NUMBER: JX909417
EQUIP NUM: LT0506
CAT 289D3

N030-52266-9031



No Action Required



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