

ENGINE
EQUIP NUM: 402
SERIAL NUMBER: 1SL02028
H177-55350-0021

LABEL#: 1481030

SAMPLE SHIP TIME (days) : 7

RECEIVED DATE: 16-Dec-25

CAT 966FII
No Action Required
Interpreted On: 16-Dec-25

NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

SAMPLE INFORMATION

	09-Dec-25	10-Oct-25	05-Aug-25	17-Apr-25
Sample Id	H177-55350-0021	H177-55297-0199	H177-55224-0065	H177-55113-0249
Sampled By	MAGNUS LAUBER	CARLOS	Carlos M Juan V	Carlos M & Magnus
Lab Date	16-Dec-25	24-Oct-25	12-Aug-25	23-Apr-25
Meter [Hr]	18106	17955	17707	17520
Comp Meter [Hr]	18106	17955	17707	17520
Meter On Fluid	399	248	500	250
Fluid Brand				
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type				
Fluid Change	N	U	Y	Y
Filter Change	N	U	Y	Y
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

WEAR LEVELS / ADDITIVES

	09-Dec-25	10-Oct-25	05-Aug-25	17-Apr-25
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]				
Cu Copper	0	1	0	0
Fe Iron	14	29	15	10
Cr Chromium	1	1	0	0
Al Aluminum	1	0	0	1
Pb Lead	0	3	0	2
Sn Tin	0	1	2	0
Si Silicon	5	3	3	3
Na Sodium	6	2	4	0
K Potassium	0	0	1	0
Mo Molybdenum	62	64	70	66
Ni Nickel	1	0	0	1
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	1
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	0
Cd Cadmium	0	0	0	
Ca Calcium	1487	1364	1347	1350
P Phosphorus	1260	1256	1284	1206
Zn Zinc	1480	1466	1448	1411
Mg Magnesium	1014	1118	1220	1204
Ba Barium	0	0	0	0
B Boron	6	11	5	6

PREVIOUS SAMPLE

MODERATELY ELEVATED SOOT LEVEL MAY RELATE TO INTAKE RESTRICTION, A/F RATIO, ENG. TEMP, OIL SERVICE, LOAD, BOOST, IDLE TIMES. ALL OTHER RESULTS APPEAR TO BE NORMAL. MONITOR COMPARTMENT.

For additional sample history, go to:

[S.O.S WEB](#)
CONDITION / CONTAMINATION

	09-Dec-25	10-Oct-25	05-Aug-25	17-Apr-25
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	14.20	14.00	13.70	13.40
INFRARED (UFM) ASTM E2412				
ST Soot	31	59	33	27
OXI Oxidation	14	14	15	13
SUL Sulfate By-Product	21	21	23	18
NIT Nitration	0	0	0	6

WATER

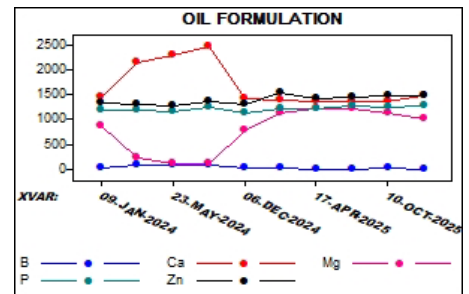
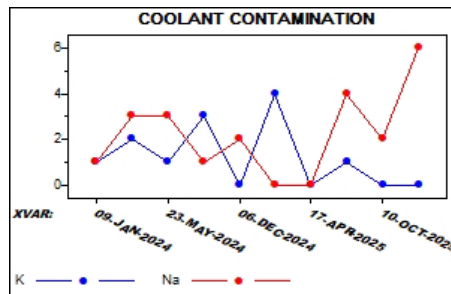
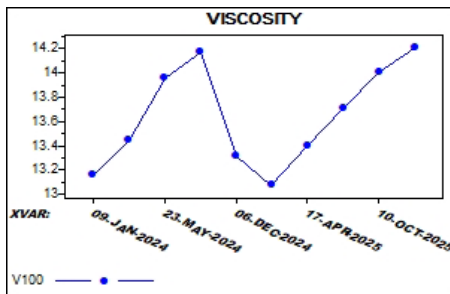
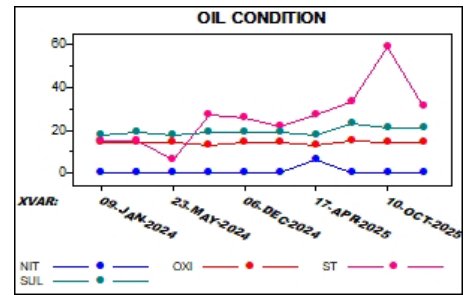
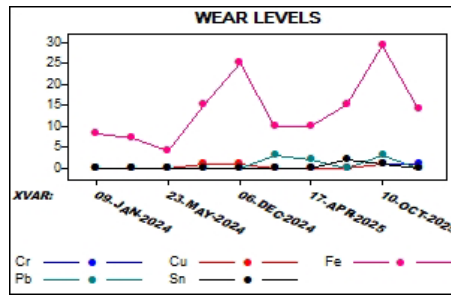
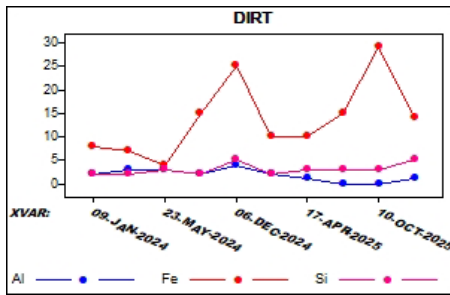
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W Water	N	N	N	N

ANTIFREEZE

	09-Dec-25	10-Oct-25	05-Aug-25	17-Apr-25
A Antifreeze	N	N	N	N

FUEL

	09-Dec-25	10-Oct-25	05-Aug-25	17-Apr-25
F Fuel	N	N	N	N



Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vlcat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.