

ENGINE MARINE GENSET

EQUIP NUM: NORTHER LIGHTS

SERIAL NUMBER: NORTHERLIGHTS_SBM

H430-55182-1009

LABEL#: QC

SAMPLE SHIP TIME (days) : 3

S.B. Marine Mechanic

RECEIVED DATE: 01-Jul-25

NORTHERN_L GEN

No Action Required

ALL TESTS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.

Interp By: Tony Finney

Interpreted On: 01-Jul-25

SAMPLE INFORMATION

Sampled Date	28-Jun-25
Sample Id	H430-55182-1009
Lab Date	01-Jul-25
Meter [Hr]	3021
Comp Meter [Hr]	3021
Meter On Fluid	10
Fluid Brand	SHELL
Fluid Weight	15W-40
Fluid Type	ROTELLA
Fluid Change	N
Filter Change	N
Kidney Loop	U
Total Fluid Added	0

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

28-Jun-25		
VISCOSITY (CENTISTOKES) ASTM D445		
V100	Viscosity at 100 C	14.00

INFRARED (UFM) ASTM E2412

ST	Soot	1
OXI	Oxidation	14
SUL	Sulfate By-Product	20
NIT	Nitration	6

WATER

W	Water	N
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WEAR LEVELS / ADDITIVES

28-Jun-25

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

Cu	Copper	2
Fe	Iron	5
Cr	Chromium	0
Al	Aluminum	1
Pb	Lead	1
Sn	Tin	0
Si	Silicon	4
Na	Sodium	9
K	Potassium	0
Mo	Molybdenum	76
Ni	Nickel	1
Ag	Silver	5
Ti	Titanium	0
V	Vanadium	1
Ca	Calcium	1256
P	Phosphorus	1216
Zn	Zinc	1340
Mg	Magnesium	1158
Ba	Barium	0
B	Boron	6
Sb	Antimony	0

ANTIFREEZE

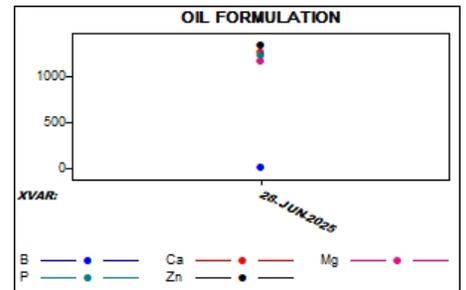
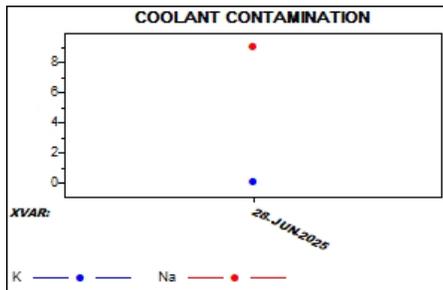
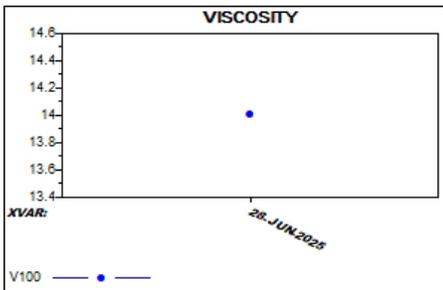
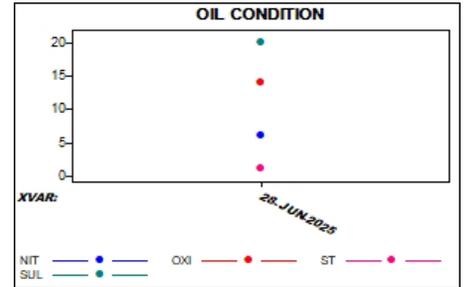
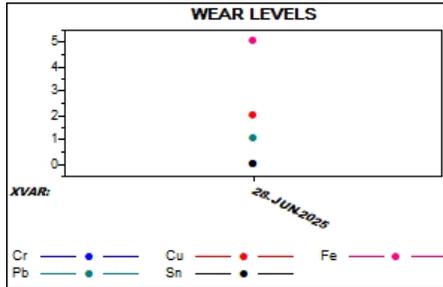
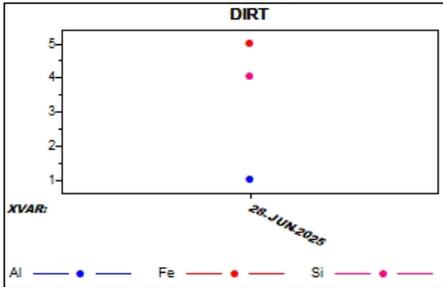
A	Antifreeze	N
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FUEL

F	Fuel	N
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FUEL CONTENT (%) ASTM D3524

PFc	Percent Fuel	3.06
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