



**ENGINE MARINE**

**EQUIP NUM: SERENGETI**

**SERIAL NUMBER: 5262000838**

**STARBOARD**

**MTU 12V4000\_MTU**

**H190-56036-4102**

LABEL#: PP11

SAMPLE SHIP TIME (days) : 10

**LANCE BIGGS**

RECEIVED DATE: 05-Feb-26

 **No Action Required**

ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

**Interp By: Tony Finney**  
**Interpreted On: 11-Feb-26**

**SAMPLE INFORMATION**

	26-Jan-26	01-Oct-25
Sampled Date	26-Jan-26	01-Oct-25
Sample Id	H190-56036-4102	H190-55279-4002
Lab Date	05-Feb-26	06-Oct-25
Meter [Hr]	14300	14283
Comp Meter [Hr]	14300	14283
Meter On Fluid	503	500
Fluid Brand	OTHER	
Fluid Weight	15W-40	15W-40
Fluid Type	OUK	
Fluid Change	Y	N
Filter Change	Y	N
Kidney Loop	U	U
Total Fluid Added	0	0

**PREVIOUS SAMPLE**

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

For additional sample history, go to:

[S.O.S WEB](#)

**CONDITION / CONTAMINATION**

	26-Jan-26	01-Oct-25
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>		
V100 Viscosity at 100 C	13.30	13.60

**INFRARED (UFM) ASTM E2412**

	26-Jan-26	01-Oct-25
ST Soot	21	20
OXI Oxidation	11	11
SUL Sulfate By-Product	21	19
NIT Nitration	8	8

**WEAR LEVELS / ADDITIVES**

26-Jan-26 01-Oct-25

<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>		
	26-Jan-26	01-Oct-25
Cu Copper	7	6
Fe Iron	12	8
Cr Chromium	0	0
Al Aluminum	0	1
Pb Lead	0	0
Sn Tin	1	2
Si Silicon	2	3
Na Sodium	2	6
K Potassium	1	2
Mo Molybdenum	2	2
Ni Nickel	0	0
Ag Silver	0	1
Ti Titanium	0	0
V Vanadium	0	0
Ca Calcium	2793	2571
P Phosphorus	1064	1247
Zn Zinc	1202	1148
Mg Magnesium	42	39
Ba Barium	0	0
B Boron	9	7
Sb Antimony	0	0

**WATER**

	26-Jan-26	01-Oct-25
W Water	N	N

**ANTIFREEZE**

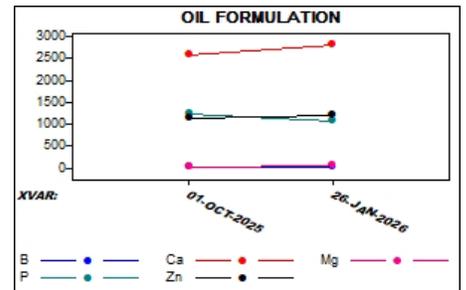
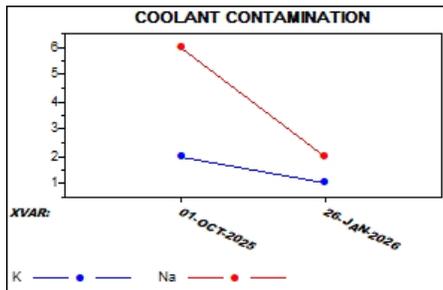
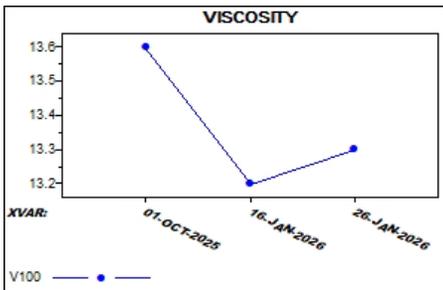
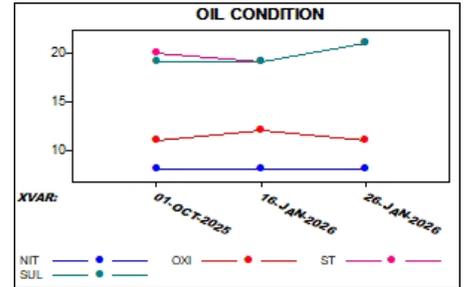
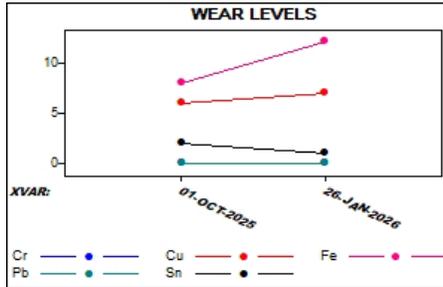
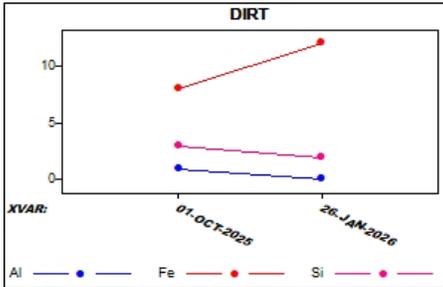
	26-Jan-26	01-Oct-25
A Antifreeze	N	N

**FUEL**

	26-Jan-26	01-Oct-25
F Fuel	N	N

**FUEL CONTENT (%) ASTM D3524**

	26-Jan-26	01-Oct-25
PFc Percent Fuel	2.5	2.07



**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.