

MARINE GEAR

EQUIP NUM: STARBOARD

SERIAL NUMBER: STBD_C7_SBMDM

STARBOARD

CAT C7 - ZF 280_ZF

H430-55255-0717

LABEL#: qc

SAMPLE SHIP TIME (days) : 6

S.B. Marine Mechanic

RECEIVED DATE: 12-Sep-25

No Action Required

VISCOSITY IS LOW FOR THE INDICATED OIL WEIGHT. PLEASE VERIFY THE WEIGHT OF OIL BEING USED. ALL OTHER TESTS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.

Interp By: David Poteete

Interpreted On: 15-Sep-25

SAMPLE INFORMATION

Sampled Date	06-Sep-25
Sample Id	H430-55255-0717
Lab Date	12-Sep-25
Meter [Hr]	1762
Comp Meter [Hr]	1762
Meter On Fluid	200
Fluid Brand	CAT
Fluid Weight	15W-40
Fluid Type	
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

06-Sep-25

VISCOSITY (CENTISTOKES) ASTM D445

V100	Viscosity at 100 C	10.60
------	--------------------	-------

INFRARED (UFM) ASTM E2412

ST	Soot	0
OXI	Oxidation	6
SUL	Sulfate By-Product	14
NIT	Nitration	3

WATER

W	Water	N
---	-------	---

WEAR LEVELS / ADDITIVES

06-Sep-25

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

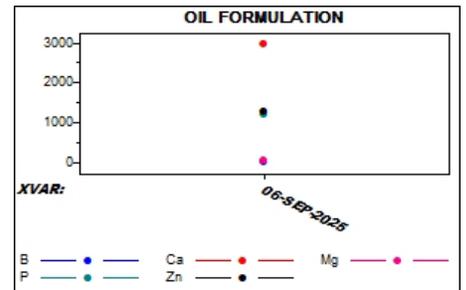
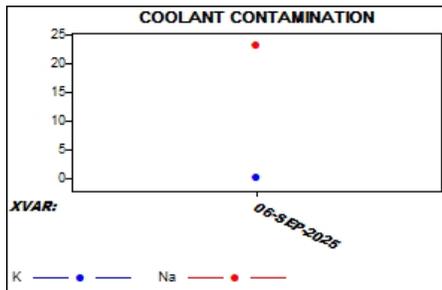
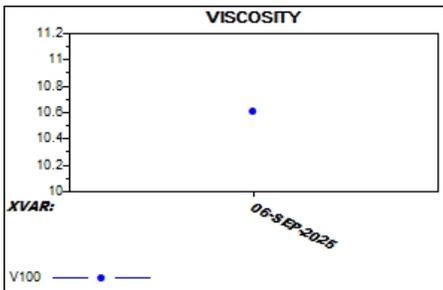
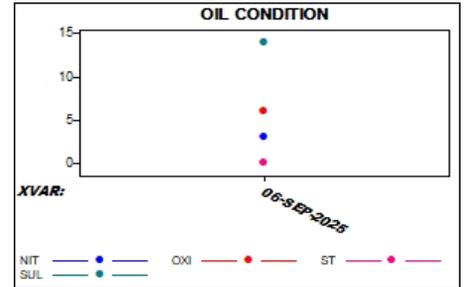
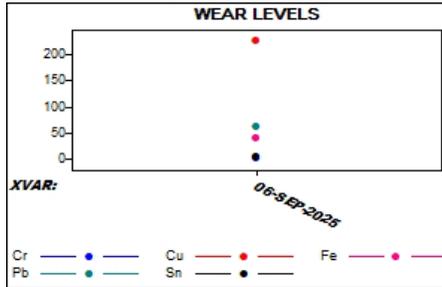
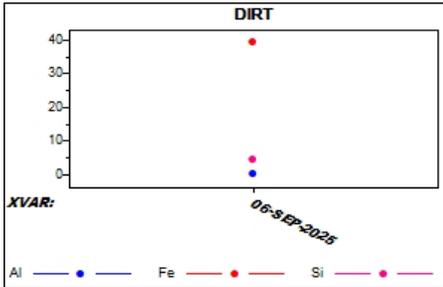
Cu	Copper	225
Fe	Iron	39
Cr	Chromium	0
Al	Aluminum	0
Pb	Lead	60
Sn	Tin	2
Si	Silicon	4
Na	Sodium	23
K	Potassium	0
Mo	Molybdenum	122
Ni	Nickel	1
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Ca	Calcium	2942
P	Phosphorus	1201
Zn	Zinc	1244
Mg	Magnesium	18
Ba	Barium	0
B	Boron	5
Sb	Antimony	0

CLEANLINESS

06-Sep-25

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

ISO	ISO Code Rating	23/18/13
4µ	4µ	61825
6µ	6µ	1930
10µ	10µ	140
14µ	14µ	65
18µ	18µ	20
21µ	21µ	5
38µ	38µ	0
50µ	50µ	0



Report Comment

VisionLink® will be the new home for S-O-SSM Services fluid analysis. Begin the transition to VisionLink now - Sign up or log into vlcat.com to update your settings, manage your fleet, configure your jobsites (groups), and view your samples. The ability for users to submit samples, track samples, view and graph sample history, and download reports are coming to VisionLink soon.