

MARINE GEAR PORT

EQUIP NUM: 805MDM
 DETROIT_DS ALLISON_DETROIT_DS
Action Required

SERIAL NUMBER: NOSNPG_805MDM

Interp By: Tony Finney
 Interpreted On: 12-Jan-26

H430-56012-0119
 LABEL#: QC
 SAMPLE SHIP TIME (days) : 3
805 Marine Mechanic
 RECEIVED DATE: 12-Jan-26



UNKNOWN HOURS ON THE OIL. PARTICLE COUNT IS HIGH. IRON IS HIGH AND MAY INDICATE GEAR / BEARING WEAR. ALL OTHER ANALYSIS READINGS APPEAR NORMAL. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CUT OPEN FILTER(S) AND INSPECT FOR DEBRIS. CHANGE OIL AND FILTER(S) AND RESAMPLE IN 10 HOURS TO MONITOR.

SAMPLE INFORMATION



Sampled Date	09-Jan-26
Sample Id	H430-56012-0119
Lab Date	12-Jan-26
Meter [Hr]	4668
Comp Meter [Hr]	4668
Meter On Fluid	
Fluid Brand	CHEVRON
Fluid Weight	30
Fluid Type	DELO
Fluid Change	U
Filter Change	U
Kidney Loop	U
Total Fluid Added	0

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

09-Jan-26

VISCOSITY (CENTISTOKES) ASTM D445

V100	Viscosity at 100 C	11.70
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INFRARED (UFM) ASTM E2412

ST	Soot	8
OXI	Oxidation	7
SUL	Sulfate By-Product	16
NIT	Nitration	5

WATER

W	Water	N
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WEAR LEVELS / ADDITIVES

09-Jan-26

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

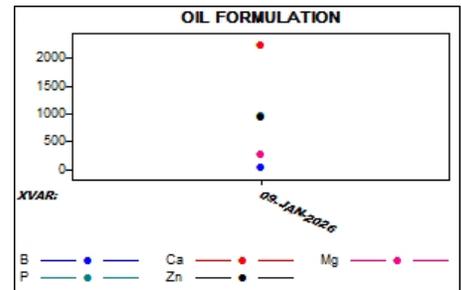
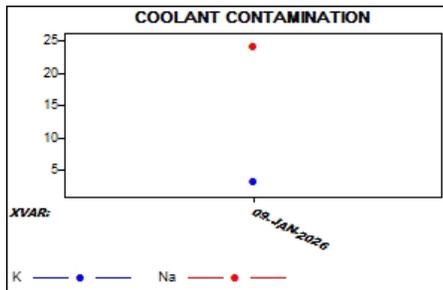
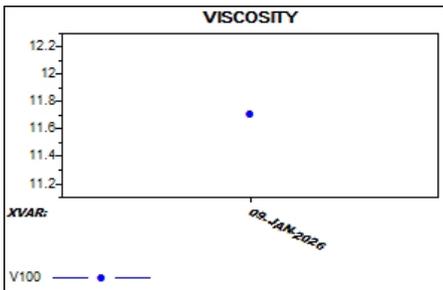
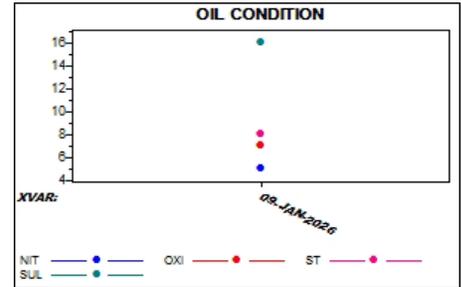
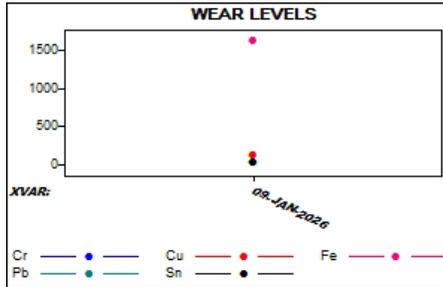
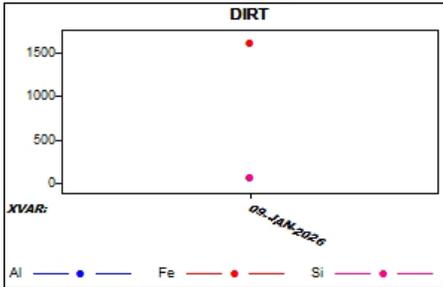
Cu	Copper	103
Fe	Iron	1604
Cr	Chromium	4
Al	Aluminum	47
Pb	Lead	7
Sn	Tin	1
Si	Silicon	54
Na	Sodium	24
K	Potassium	3
Mo	Molybdenum	84
Ni	Nickel	4
Ag	Silver	0
Ti	Titanium	1
V	Vanadium	0
Ca	Calcium	2230
P	Phosphorus	942
Zn	Zinc	924
Mg	Magnesium	257
Ba	Barium	0
B	Boron	30
Sb	Antimony	0

CLEANLINESS

09-Jan-26

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

ISO	ISO Code Rating	25/24/15
4µ	4µ	207020
6µ	6µ	90865
10µ	10µ	4680
14µ	14µ	270
18µ	18µ	70
21µ	21µ	30
38µ	38µ	0
50µ	50µ	0



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