

**MARINE GEAR**

**EQUIP NUM: 805MDM**

**SERIAL NUMBER: NOSNSG\_805MDM**

**STARBOARD**

**DETROIT\_DS ALLISON\_DETROIT\_DS**

**Monitor Compartment**



UNKNOWN HOURS ON THE OIL. PARTICLE COUNT IS HIGH. IRON IS ELEVATED 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.

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

**H430-56012-0118**  
LABEL#: QC  
SAMPLE SHIP TIME (days) : 3  
**805 Marine Mechanic**  
RECEIVED DATE: 12-Jan-26

**SAMPLE INFORMATION**



|                   |                 |
|-------------------|-----------------|
| Sampled Date      | 09-Jan-26       |
| Sample Id         | H430-56012-0118 |
| Lab Date          | 12-Jan-26       |
| Meter [Hr]        | 4669            |
| Comp Meter [Hr]   | 4669            |
| Meter On Fluid    |                 |
| Fluid Brand       | CHEVRON         |
| Fluid Weight      | 30              |
| Fluid Type        | DELO            |
| 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**

09-Jan-26

**VISCOSITY (CENTISTOKES) ASTM D445**

|      |                    |       |
|------|--------------------|-------|
| V100 | Viscosity at 100 C | 12.30 |
|------|--------------------|-------|

**INFRARED (UFM) ASTM E2412**

|     |                    |    |
|-----|--------------------|----|
| ST  | Soot               | 0  |
| OXI | Oxidation          | 7  |
| SUL | Sulfate By-Product | 14 |
| NIT | Nitration          | 4  |

**WATER**

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

**WEAR LEVELS / ADDITIVES**

09-Jan-26

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

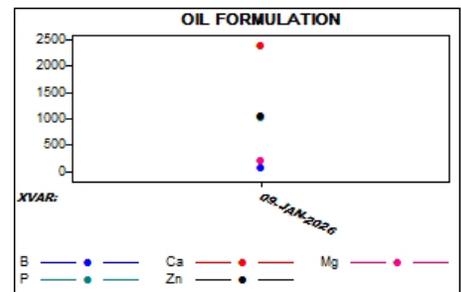
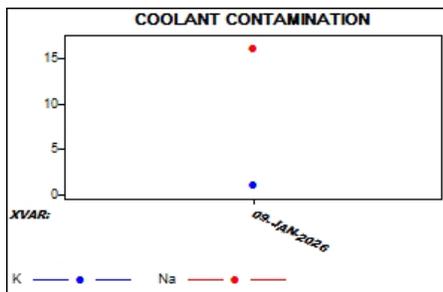
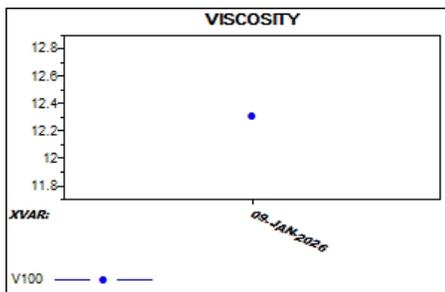
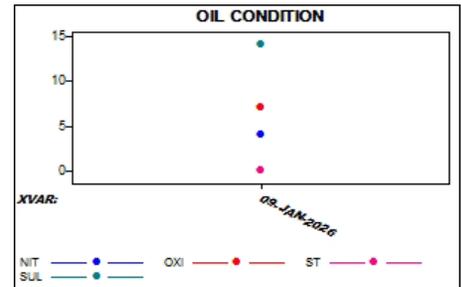
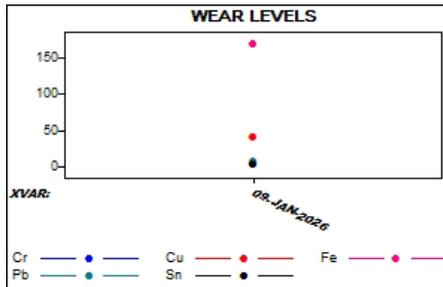
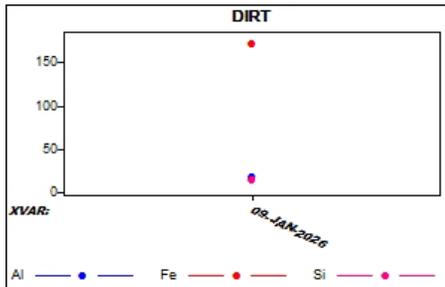
|    |            |      |
|----|------------|------|
| Cu | Copper     | 40   |
| Fe | Iron       | 169  |
| Cr | Chromium   | 2    |
| Al | Aluminum   | 17   |
| Pb | Lead       | 6    |
| Sn | Tin        | 1    |
| Si | Silicon    | 13   |
| Na | Sodium     | 16   |
| K  | Potassium  | 1    |
| Mo | Molybdenum | 87   |
| Ni | Nickel     | 1    |
| Ag | Silver     | 0    |
| Ti | Titanium   | 0    |
| V  | Vanadium   | 0    |
| Ca | Calcium    | 2345 |
| P  | Phosphorus | 1008 |
| Zn | Zinc       | 1027 |
| Mg | Magnesium  | 192  |
| Ba | Barium     | 0    |
| B  | Boron      | 29   |
| Sb | Antimony   | 0    |

**CLEANLINESS**

09-Jan-26

**PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406**

|     |                 |          |
|-----|-----------------|----------|
| ISO | ISO Code Rating | 25/24/18 |
| 4µ  | 4µ              | 212870   |
| 6µ  | 6µ              | 117340   |
| 10µ | 10µ             | 16660    |
| 14µ | 14µ             | 2230     |
| 18µ | 18µ             | 510      |
| 21µ | 21µ             | 295      |
| 38µ | 38µ             | 5        |
| 50µ | 50µ             | 0        |



**Report Comment**

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