



OIL ANALYSIS REPORT

| | |
|-----------------|-----------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | ABNORMAL |

Machine Id
PORT STERN TUBE
Component
Port Sterntube
Fluid
MOBIL MOBILGEAR 600 XP ISO100 (2288 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MAR 3 test kits, this testkit includes AN to determine the suitability of the oil for continued use. this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

WEAR

Component wear rates appear to be normal (unconfirmed).

CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

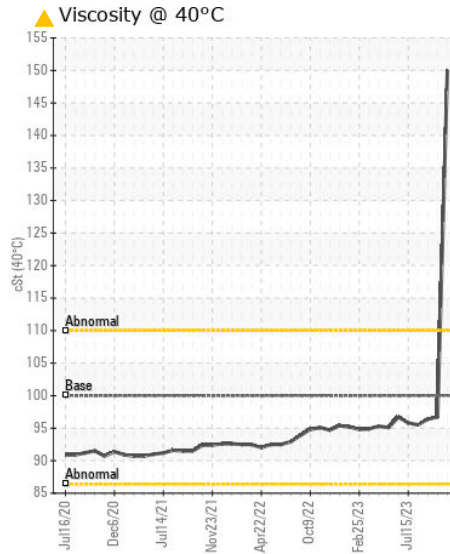
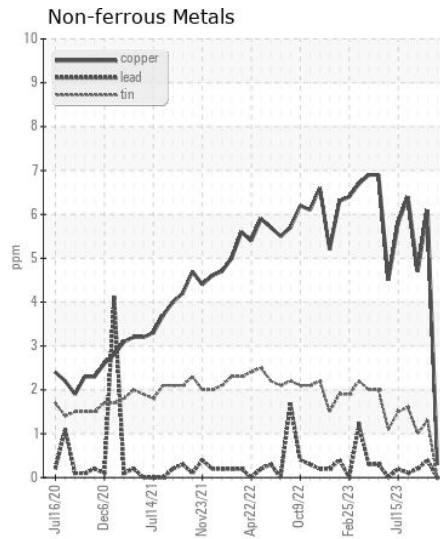
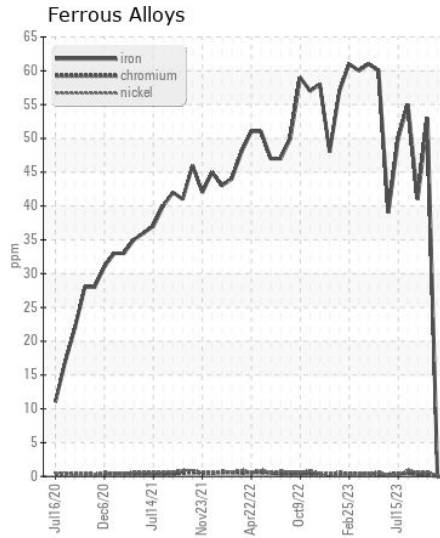
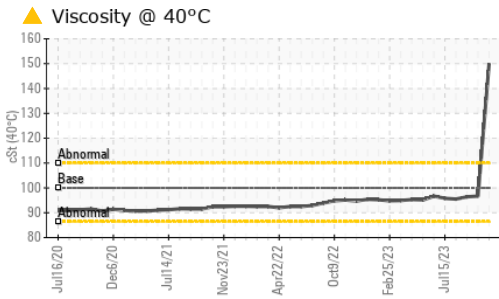
Viscosity of sample indicates oil is within ISO 150 range, advise investigate. The condition of the oil is acceptable for the time in service (unconfirmed).

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0803072 | WC0684708 | WC0802976 |
| Sample Date | | Client Info | | 31 Dec 2023 | 04 Oct 2023 | 09 Sep 2023 |
| Machine Age | hrs | Client Info | | 43183 | 42311 | 41825 |
| Oil Age | hrs | Client Info | | 100 | 0 | 41825 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | N/A | Not Changd |
| Filter Changed | | Client Info | | None | None | None |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185(m) | >15 | <1 | ▲ 53 | ▲ 41 |
| Chromium | ppm | ASTM D5185(m) | >2 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | >8 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >4 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) | >15 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185(m) | >25 | <1 | 6 | 5 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 1 | 1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

| | | | | | | |
|------------------|--------|---------------|-------|--------------|---------|-------|
| Silicon | ppm | ASTM D5185(m) | >25 | <1 | 2 | <1 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 1 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | VLITE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | ▲ WGOIL | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | ▲ .2% | ▲ .2% |

| | | | | | | |
|-------------|-----|---------------|-----|--------------|-------|-------|
| Sodium | ppm | ASTM D5185(m) | | 0 | 30 | 17 |
| Boron | ppm | ASTM D5185(m) | | 30 | 4 | 4 |
| Barium | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185(m) | | <1 | 5 | 4 |
| Calcium | ppm | ASTM D5185(m) | | 2 | 13 | 14 |
| Phosphorus | ppm | ASTM D5185(m) | | 324 | 270 | 301 |
| Zinc | ppm | ASTM D5185(m) | | 2 | 11 | 14 |
| Sulfur | ppm | ASTM D5185(m) | | 12104 | 11341 | 11260 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 100 | ▲ 150 | 96.7 | 96.4 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0803072
Lab Number : 02607316
Unique Number : 5708402
Test Package : MAR 1

Siem Offshore Canada LP.
 M/V Avalon Sea, 140 WATER STREET SUITE 1000
 ST. JOHN'S, NL
 CA A1C 6H6
 Contact: Avalon Sea
 ecr@avalonsea.siemoffshore.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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