



OIL ANALYSIS REPORT

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

Machine Id
637.001 (S/N RRM300023215)
 Component
Port Gearbox
 Fluid
MOBIL SHC 629 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

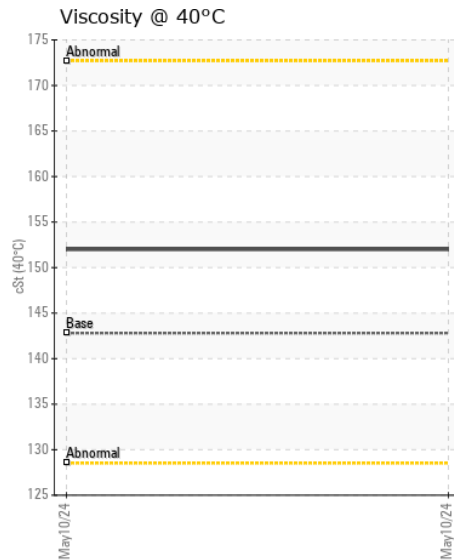
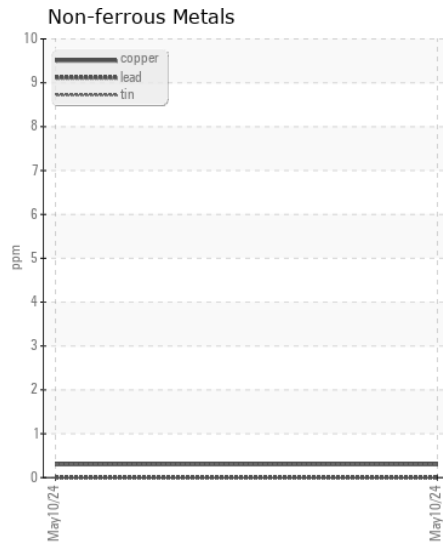
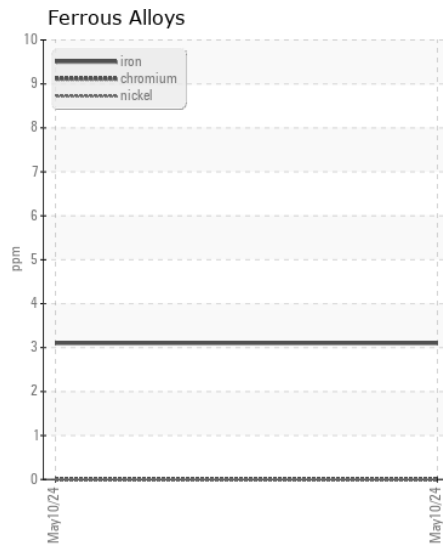
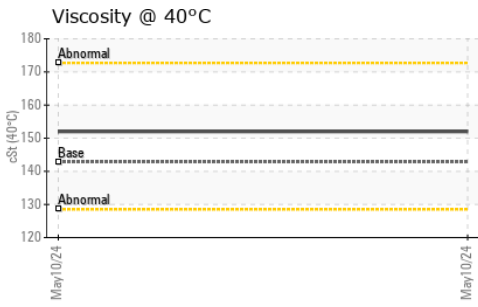
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|---------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | WC0935654 | --- | --- |
| Sample Date | | Client Info | | 10 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 21817 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changed | --- | --- |
| Filter Changed | | Client Info | | Not Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185(m) | >200 | 3 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >25 | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >50 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >200 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185(m) | >50 | 2 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185(m) | | 1 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 4 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 419 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 11 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | | 528 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 142.8 | 152 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Horizon Maritime Services Ltd. - Dragon**
Sample No. : WC0935654 **Received** : 16 May 2024 422 Main Street
Lab Number : 02636178 **Tested** : 16 May 2024 Mulgrave, NS
Unique Number : 5785340 **Diagnosed** : 16 May 2024 - Wes Davis CA B0E 2G0
Test Package : MAR 1 **Contact:** Service Manager

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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