



OIL ANALYSIS REPORT

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

Machine Id
EPIROC ST18 SCP203
 Component
Upbox
 Fluid
VOLVO PENTA GL-5 SAE 75W140 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) VOLVO PENTA GL-5 SAE 75W140. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

WEAR

Iron ppm levels are abnormal. Copper ppm levels are marginal. A sharp increase in the iron level is noted.

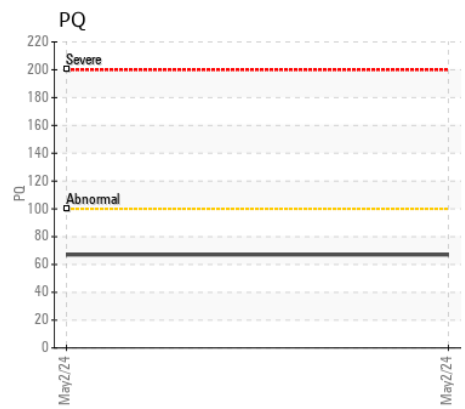
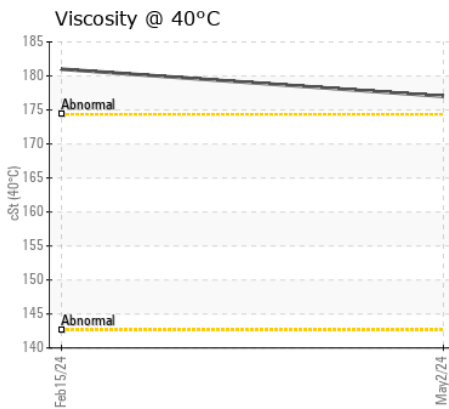
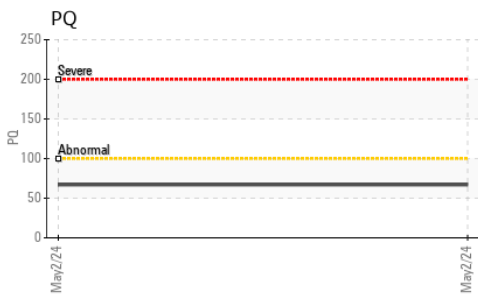
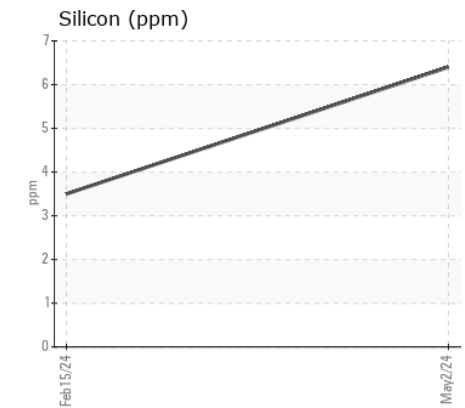
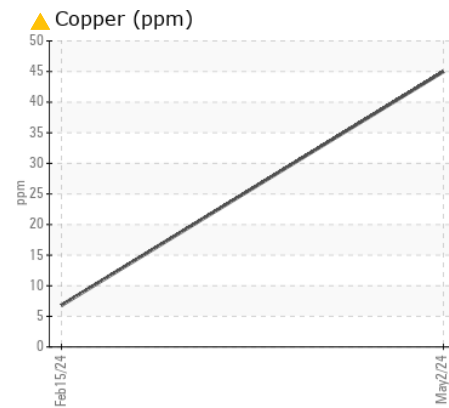
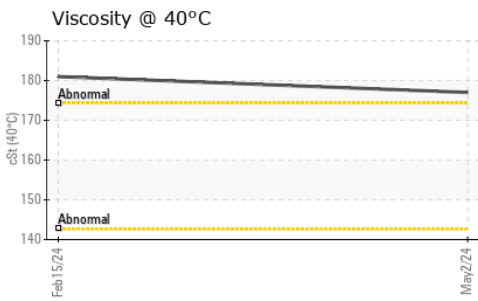
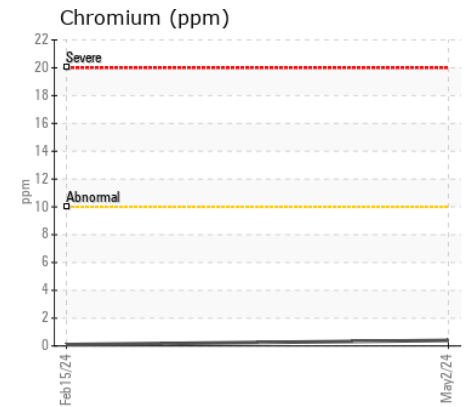
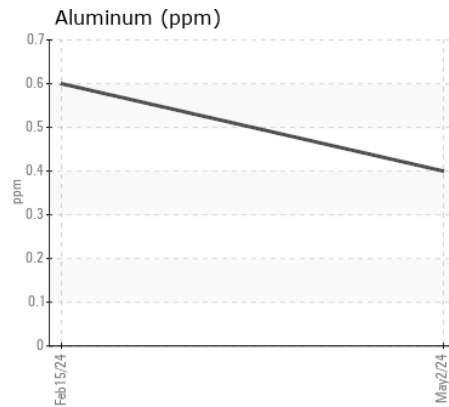
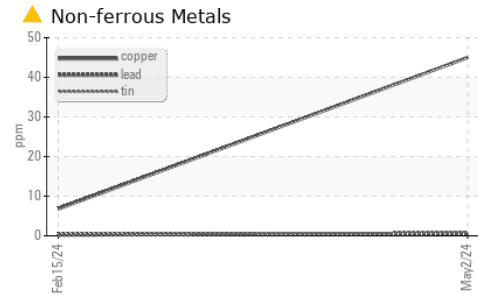
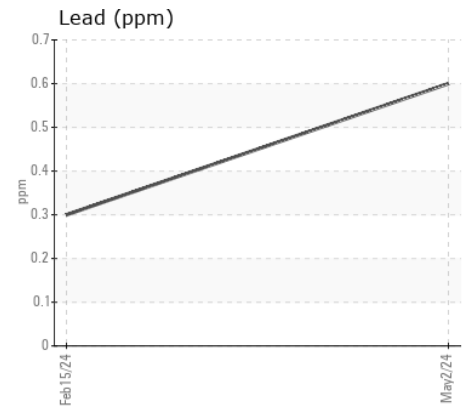
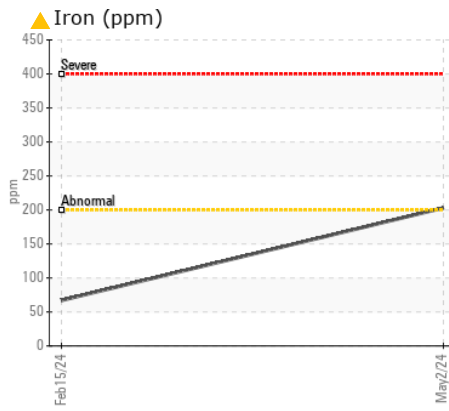
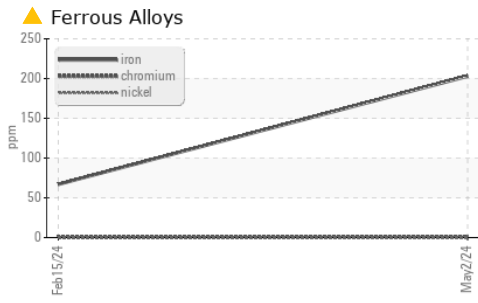
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|---------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0916359 | WC0904170 | --- |
| Sample Date | | Client Info | | 02 May 2024 | 15 Feb 2024 | --- |
| Machine Age | hrs | Client Info | | 1476 | 534 | --- |
| Oil Age | hrs | Client Info | | 500 | 534 | --- |
| Filter Age | hrs | Client Info | | 250 | 0 | --- |
| Oil Changed | | Client Info | | Not Changed | Not Changed | --- |
| Filter Changed | | Client Info | | Changed | Not Changed | --- |
| Sample Status | | | | ABNORMAL | NORMAL | --- |
| PQ | | ASTM D8184* | | 67 | --- | --- |
| Iron | ppm | ASTM D5185(m) | >200 | ▲ 203 | 67 | --- |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Lead | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Copper | ppm | ASTM D5185(m) | | ▲ 45 | 7 | --- |
| Tin | ppm | ASTM D5185(m) | | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185(m) | | 6 | 4 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 1 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | Visual* | NONE | VLITE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | --- |
| Sodium | ppm | ASTM D5185(m) | | 1 | <1 | --- |
| Boron | ppm | ASTM D5185(m) | | 67 | 71 | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185(m) | | 2 | 0 | --- |
| Magnesium | ppm | ASTM D5185(m) | | 1 | <1 | --- |
| Calcium | ppm | ASTM D5185(m) | | 24 | 28 | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 877 | 873 | --- |
| Zinc | ppm | ASTM D5185(m) | | 18 | 11 | --- |
| Sulfur | ppm | ASTM D5185(m) | | 18473 | 18346 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 177 | 181 | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0916359 **Received** : 06 May 2024
Lab Number : **02633674** **Tested** : 06 May 2024
Unique Number : 5774827 **Diagnosed** : 07 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Mike Campbell
 mike.campbell@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.