



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

Machine Id
555 COLLEGE STREET RHAPSODY LIVING RHAPSODY LIVING

Component
Left Natural Gas Engine

Fluid
ESSO XD-3 EXTRA 15W40 (15 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | PN0005901 | PN0004236 | --- |
| Sample Date | | Client Info | | 26 Feb 2024 | 23 Feb 2023 | --- |
| Machine Age | hrs | Client Info | | 42 | 32 | --- |
| Oil Age | hrs | Client Info | | 10 | 0 | --- |
| Filter Age | hrs | Client Info | | 10 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | ABNORMAL | --- |

WEAR

Metal levels are typical for a new component breaking in.

| | | | | | | |
|----------|-----|---------------|-----|--------------|----|-----|
| Iron | ppm | ASTM D5185(m) | >50 | 9 | 15 | --- |
| Chromium | ppm | ASTM D5185(m) | >4 | 0 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >9 | 2 | 3 | --- |
| Lead | ppm | ASTM D5185(m) | >30 | 2 | 5 | --- |
| Copper | ppm | ASTM D5185(m) | >35 | 6 | 15 | --- |
| Tin | ppm | ASTM D5185(m) | >4 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |

CONTAMINATION

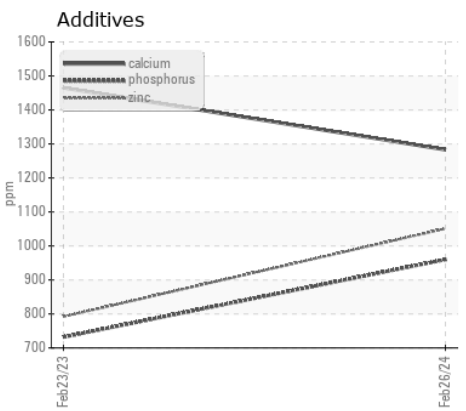
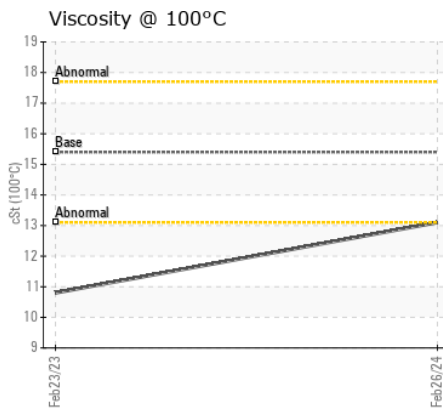
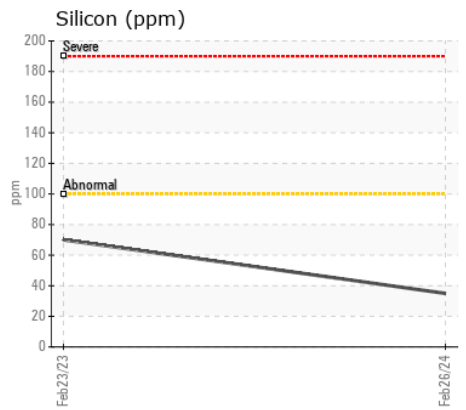
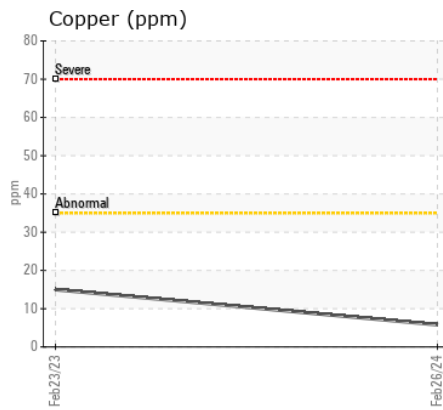
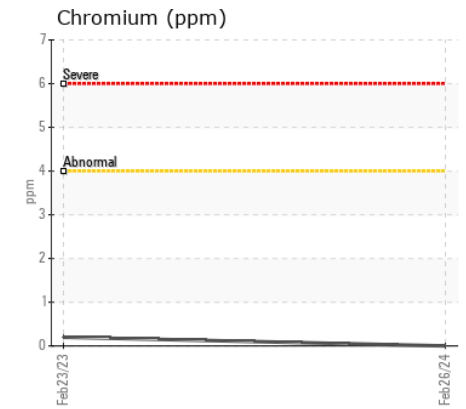
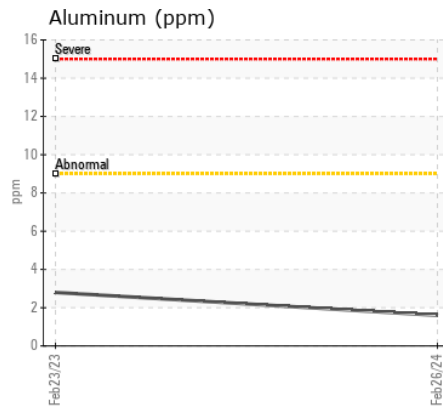
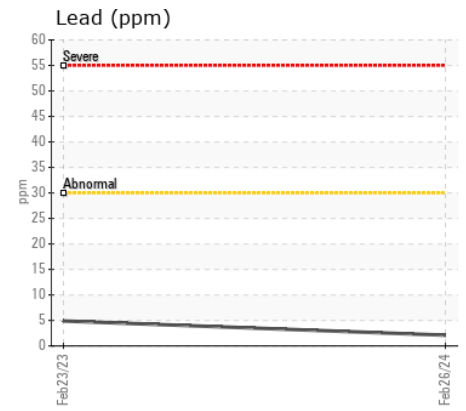
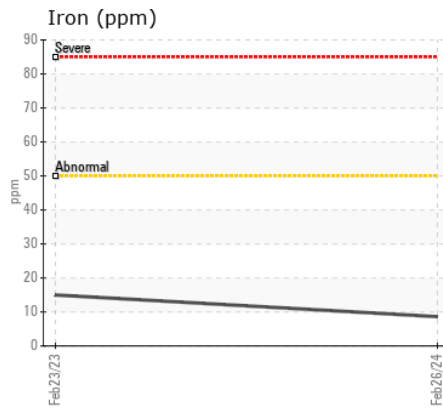
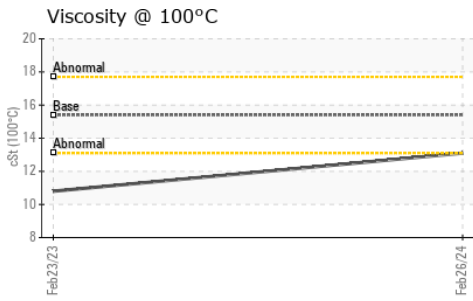
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|---------------|-------|--------------|------|-----|
| Silicon | ppm | ASTM D5185(m) | >+100 | 35 | 70 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Soot % | % | ASTM D7844* | | 0 | 0 | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 5.7 | 6.2 | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 17.2 | 18.6 | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|--------------|----------|---------------|------|--------------|--------|-----|
| Sodium | ppm | ASTM D5185(m) | >192 | 2 | 4 | --- |
| Boron | ppm | ASTM D5185(m) | | 28 | 61 | --- |
| Barium | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 68 | 105 | --- |
| Manganese | ppm | ASTM D5185(m) | | <1 | 2 | --- |
| Magnesium | ppm | ASTM D5185(m) | | 677 | 316 | --- |
| Calcium | ppm | ASTM D5185(m) | 3780 | 1283 | 1465 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 1370 | 960 | 732 | --- |
| Zinc | ppm | ASTM D5185(m) | 1500 | 1051 | 792 | --- |
| Sulfur | ppm | ASTM D5185(m) | 3800 | 2717 | 1947 | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 13.0 | 11.4 | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 15.4 | 13.1 | ▲ 10.8 | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005901 **Received** : 07 Mar 2024
Lab Number : 02620507 **Tested** : 07 Mar 2024
Unique Number : 5737617 **Diagnosed** : 07 Mar 2024 - Wes Davis
Test Package : MOB 1

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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.