



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

Machine Id
351188
 Component
Gasoline Engine
 Fluid
MOBIL 1 0W20 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | GFL0112551 | --- | --- |
| Sample Date | | Client Info | | 26 Mar 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185(m) | >150 | 39 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >40 | 4 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >50 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >155 | 15 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

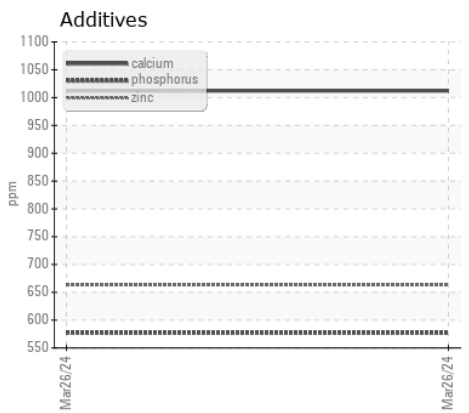
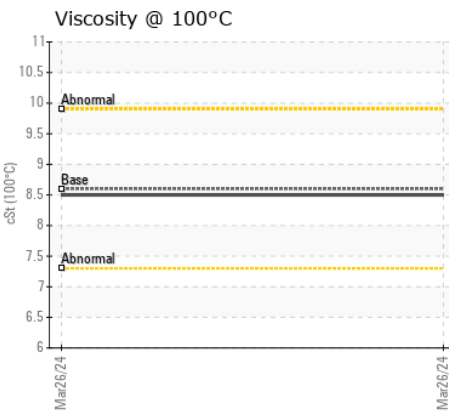
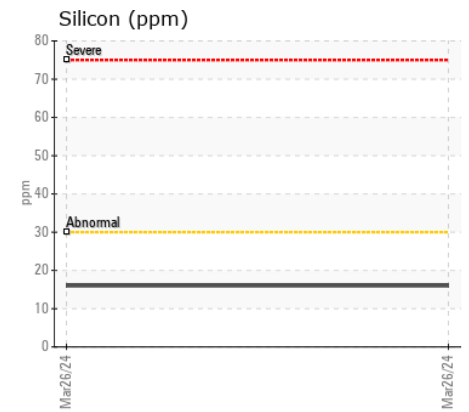
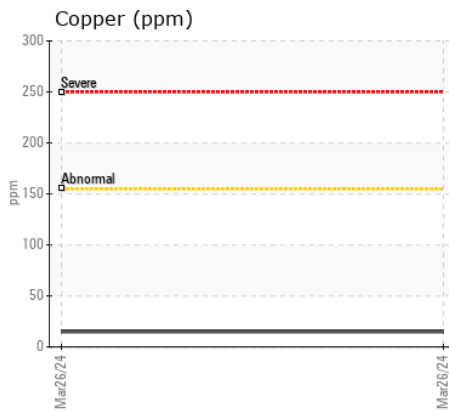
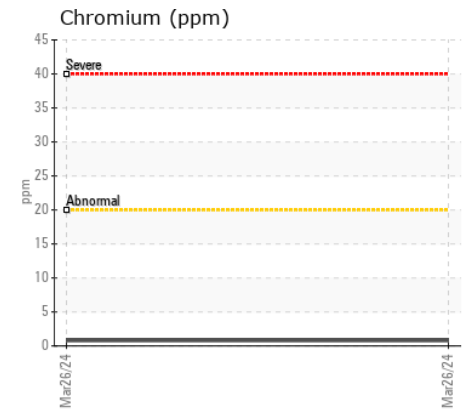
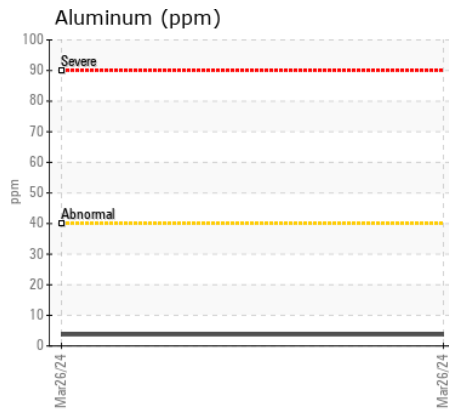
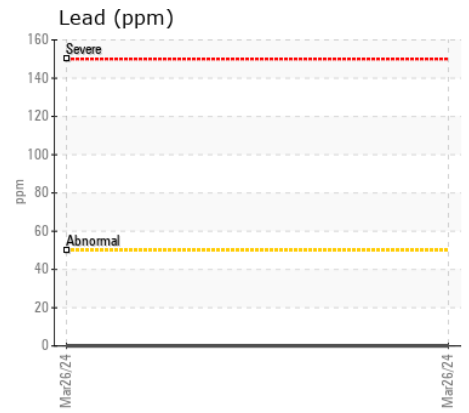
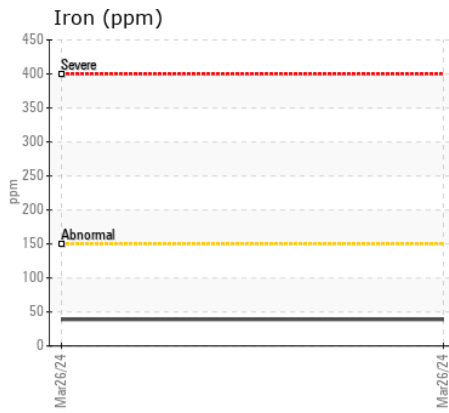
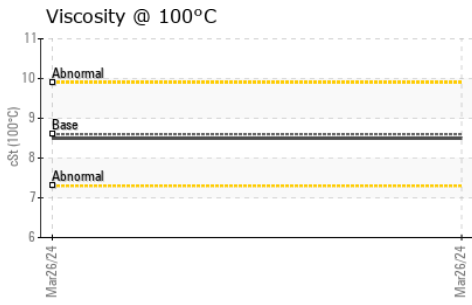
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|---------------|-------|----------------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >30 | 16 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Fuel | | WC Method | >4.0 | <1.0 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | ASTM D7844* | | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 9.8 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 24.3 | --- | --- |
| Silt | scalar | Visual* | NONE | VLITE | --- | --- |
| Debris | scalar | Visual* | NONE | VLITE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|--------------|----------|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | >400 | 4 | --- | --- |
| Boron | ppm | ASTM D5185(m) | 70 | 31 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 60 | 80 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 620 | 533 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 875 | 1012 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 450 | 577 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 525 | 663 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 1300 | 1937 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 17.8 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 8.6 | 8.5 | --- | --- |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0112551
Lab Number : 02624930
Unique Number : 5750049
Test Package : MOB 1 (Additional Tests: Visual)

GFL Environmental - 554 - Edmonton SW

8409 -15th Street NW
Edmonton, AB
CA T6P 0B8

Contact: Kenny Hawkins
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F:

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.