



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
Or1984
 Component
Left Planetary
 Fluid
GEAR OIL SAE 90W140 (8 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 90W140. Please confirm.

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.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | GFL0113296 | --- | --- |
| Sample Date | Client Info | 20 Mar 2024 | --- | --- |
| Machine Age | hrs Client Info | 0 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | NORMAL | --- | --- |

CONTAMINATION

| method | limit/base | current | history1 | history2 |
|--------|----------------|------------|----------|----------|
| Water | WC Method >0.2 | NEG | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|-----------|------------------------|--------------|----------|----------|
| Iron | ppm ASTM D5185(m) >500 | 124 | --- | --- |
| Chromium | ppm ASTM D5185(m) >10 | <1 | --- | --- |
| 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 | 0 | --- | --- |
| Lead | ppm ASTM D5185(m) >25 | <1 | --- | --- |
| Copper | ppm ASTM D5185(m) >75 | 9 | --- | --- |
| Tin | ppm ASTM D5185(m) >10 | 0 | --- | --- |
| Antimony | ppm ASTM D5185(m) >5 | 24 | --- | --- |
| Vanadium | ppm ASTM D5185(m) | 0 | --- | --- |
| Beryllium | ppm ASTM D5185(m) | 0 | --- | --- |
| Cadmium | ppm ASTM D5185(m) | 0 | --- | --- |

ADDITIVES

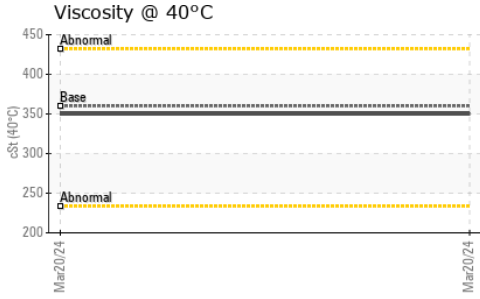
| method | limit/base | current | history1 | history2 |
|------------|-------------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185(m) 400 | 164 | --- | --- |
| Barium | ppm ASTM D5185(m) 200 | 1 | --- | --- |
| Molybdenum | ppm ASTM D5185(m) 12 | 0 | --- | --- |
| Manganese | ppm ASTM D5185(m) | <1 | --- | --- |
| Magnesium | ppm ASTM D5185(m) 12 | <1 | --- | --- |
| Calcium | ppm ASTM D5185(m) 150 | 18 | --- | --- |
| Phosphorus | ppm ASTM D5185(m) 1650 | 974 | --- | --- |
| Zinc | ppm ASTM D5185(m) 125 | 9 | --- | --- |
| Sulfur | ppm ASTM D5185(m) 22500 | 16349 | --- | --- |
| Lithium | ppm ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|-----------|-----------------------|-----------|----------|----------|
| Silicon | ppm ASTM D5185(m) >75 | 17 | --- | --- |
| Sodium | ppm ASTM D5185(m) | 2 | --- | --- |
| Potassium | ppm ASTM D5185(m) >20 | 0 | --- | --- |



OIL ANALYSIS REPORT



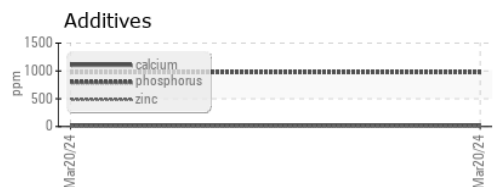
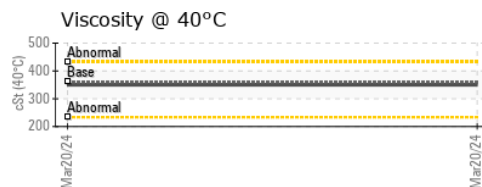
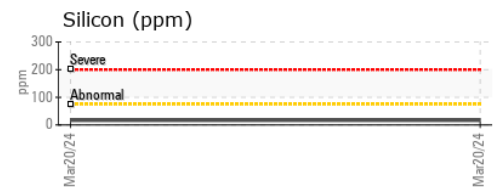
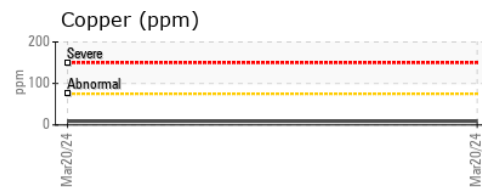
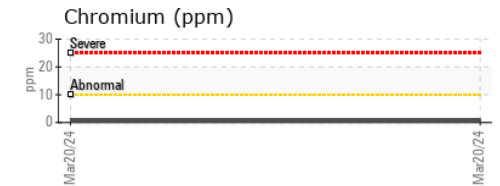
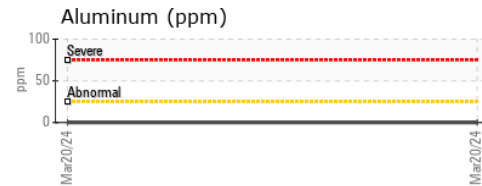
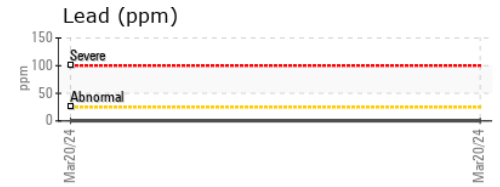
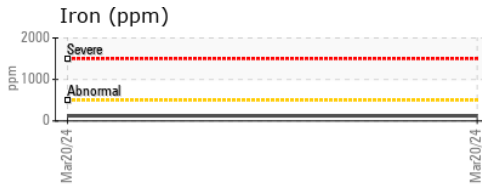
| VISUAL | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|----------|----------|-----|
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Precipitate | scalar | Visual* | NONE | NONE | --- | --- |
| 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 | --- | --- |
| Free Water | scalar | Visual* | | NEG | --- | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|---------------|---------|------------|----------|-----|
| Visc @ 40°C | cSt | ASTM D7279(m) | 360 | 350 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

| | | | | | |
|--------|--|--|--|--|--|
| Color | | | | | |
| Bottom | | | | | |

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113296
Lab Number : 02623791
Unique Number : 5748910
Test Package : MOB 1

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 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.