

Area
MICHAUDVILLE

Machine Id
1508
Component
Transmission (Manual)
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

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

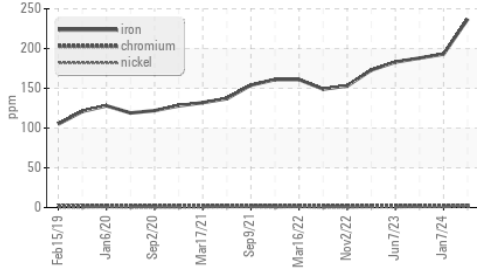
| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PC0084193 | PC0083537 | PC0078083 |
| Sample Date | | Client Info | | 20 Jun 2024 | 07 Jan 2024 | 13 Sep 2023 |
| Machine Age | hrs | Client Info | | 10302 | 9810 | 9315 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|-------|
| PQ | | ASTM D8184* | >95 | 6 | --- | --- |
| Iron | ppm | ASTM D5185(m) | >200 | ▲ 237 | 193 | 188 |
| Chromium | ppm | ASTM D5185(m) | >5 | 2 | 2 | 2 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185(m) | >7 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | 6 | 4 | 4 |
| Lead | ppm | ASTM D5185(m) | >45 | 2 | 2 | 2 |
| Copper | ppm | ASTM D5185(m) | >225 | 59 | 48 | 48 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

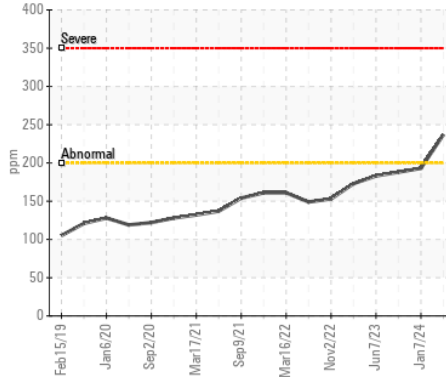
| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >125 | 7 | 5 | 4 |
| Potassium | ppm | ASTM D5185(m) | >20 | 21 | 19 | 19 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | VLITE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | NEG |

| | | | | | | |
|----------------------|-------|---------------|--|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 79 | 77 | 79 |
| Boron | ppm | ASTM D5185(m) | | 207 | 210 | 215 |
| Barium | ppm | ASTM D5185(m) | | 6 | 5 | 6 |
| Molybdenum | ppm | ASTM D5185(m) | | 2 | 1 | 2 |
| Manganese | ppm | ASTM D5185(m) | | 31 | 27 | 27 |
| Magnesium | ppm | ASTM D5185(m) | | 8 | 7 | 7 |
| Calcium | ppm | ASTM D5185(m) | | 60 | 54 | 53 |
| Phosphorus | ppm | ASTM D5185(m) | | 911 | 943 | 1039 |
| Zinc | ppm | ASTM D5185(m) | | 104 | 97 | 94 |
| Sulfur | ppm | ASTM D5185(m) | | 544 | 566 | 555 |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 86.7 | 86.6 | 86.8 |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 13.3 | 13.3 | 13.4 |
| Viscosity Index (VI) | Scale | ASTM D2270* | | 154 | 154 | 156 |

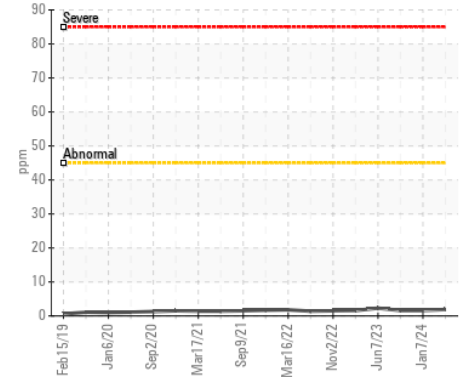
▲ Ferrous Alloys



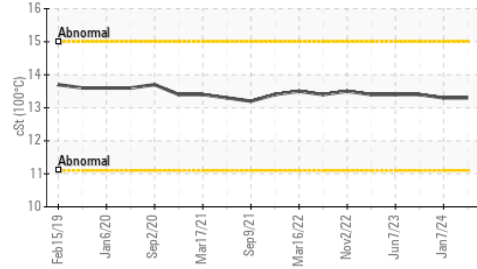
▲ Iron (ppm)



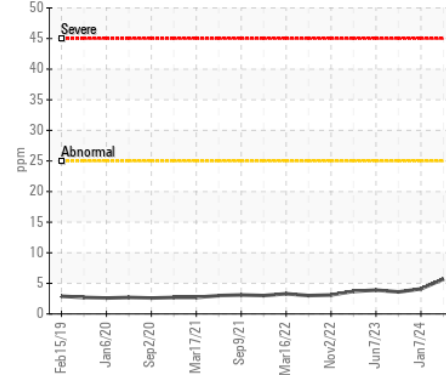
Lead (ppm)



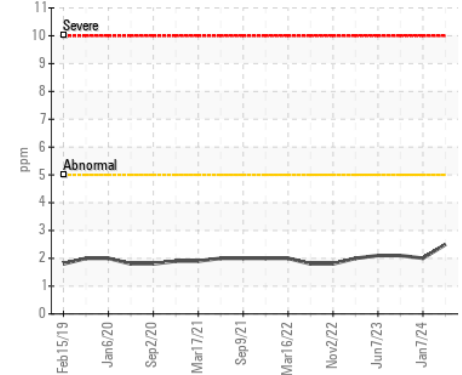
Viscosity @ 100°C



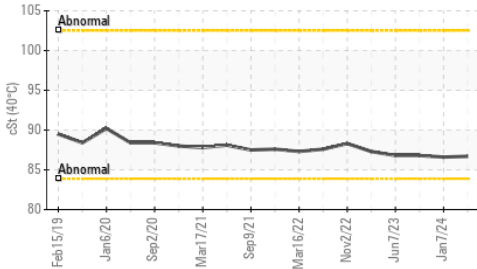
Aluminum (ppm)



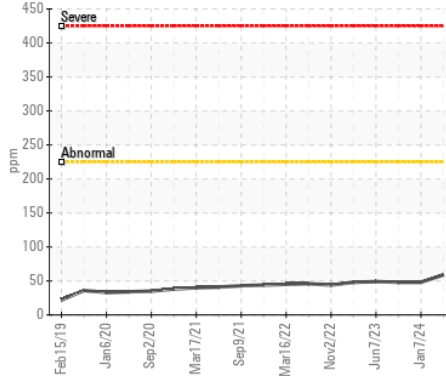
Chromium (ppm)



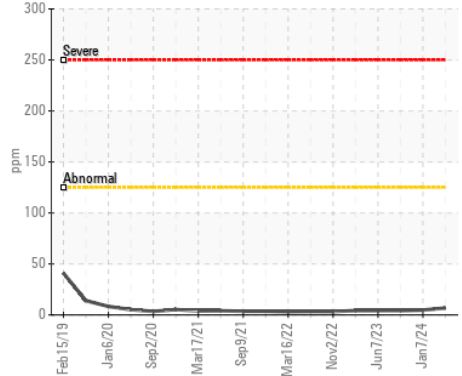
Viscosity @ 40°C



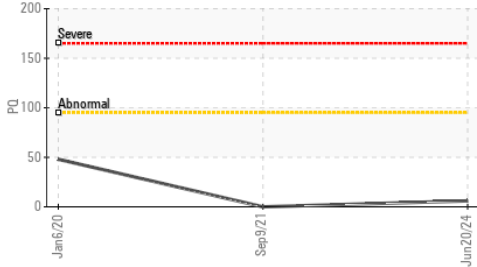
Copper (ppm)



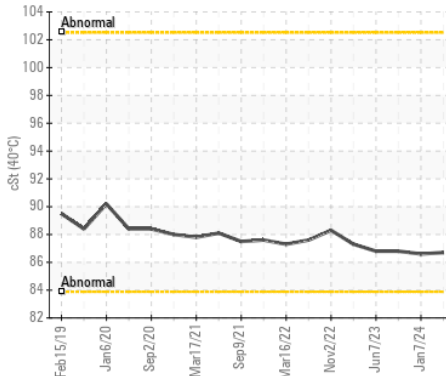
Silicon (ppm)



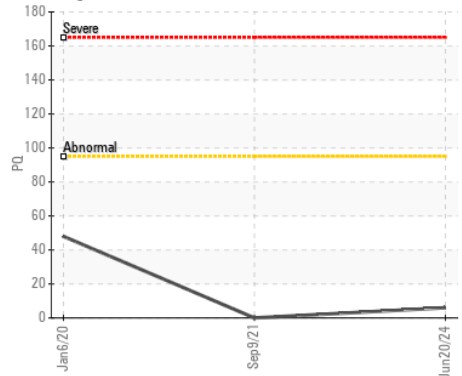
PQ



Viscosity @ 40°C



PQ



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084193
Lab Number : 02643433
Unique Number : 5800972
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

LES ENTREPRISES MICHAUVILLE INC.
 270 RUE BRUNET
 MONT ST-HILAIRE, QC
 CA J3H 0M6
 Contact: Martin Trudel
 mtrudel@michaudville.com

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.

T:
F: