



OIL ANALYSIS REPORT

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

Area
[25255]

Machine Id
20-99

Component
Pump

Fluid
PETRO CANADA SYNDURO SHB ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0941311 | WC0895455 | WC0842855 |
| Sample Date | | Client Info | | 02 Jul 2024 | 09 Mar 2024 | 02 Nov 2023 |
| Machine Age | kms | Client Info | | 140588 | 2307 | 2136 |
| Oil Age | kms | Client Info | | 0 | 0 | 0 |
| Filter Age | kms | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | N/A | Changed | Changed |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185(m) | >500 | 5 | 12 | 4 |
| Chromium | ppm | ASTM D5185(m) | >7 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >25 | 3 | 14 | 8 |
| Lead | ppm | ASTM D5185(m) | >35 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185(m) | >50 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | VLITE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

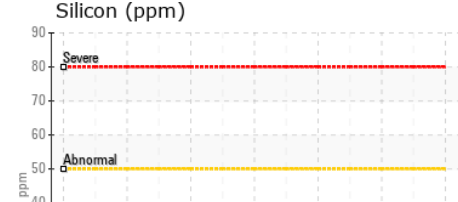
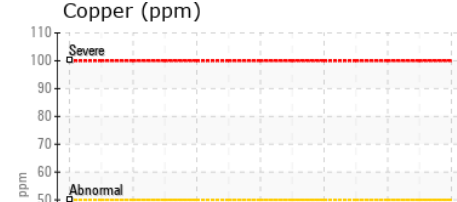
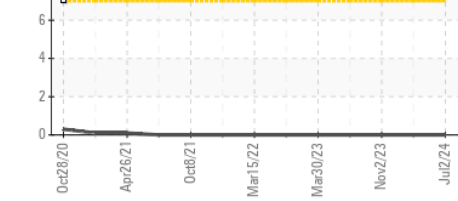
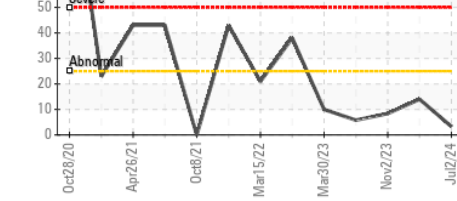
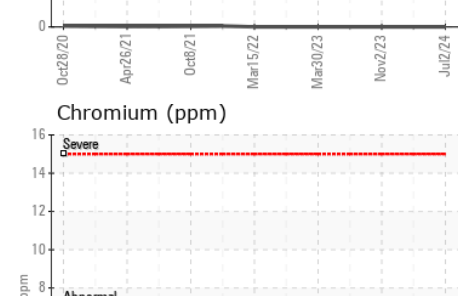
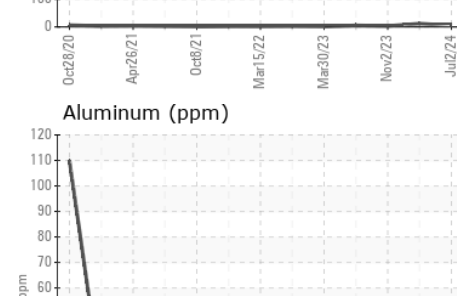
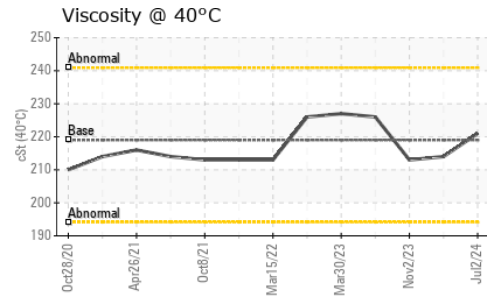
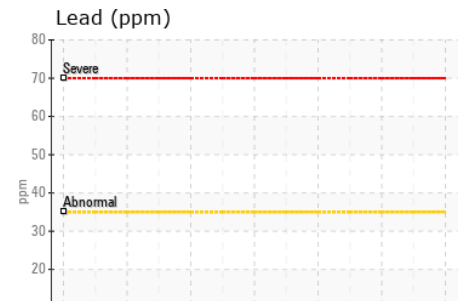
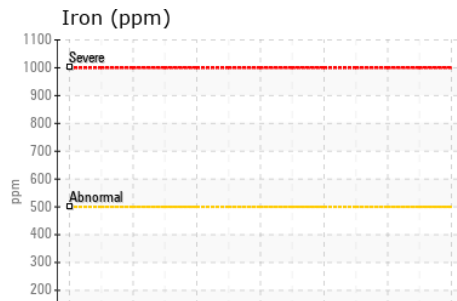
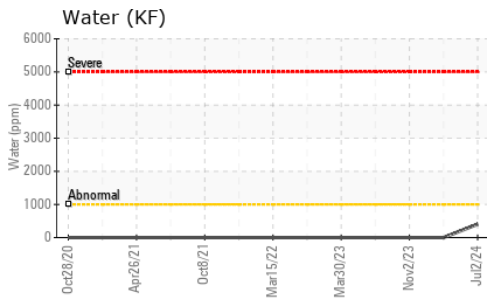
The water content is negligible. There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|---------------|-------|--------------|---------|-------|
| Silicon | ppm | ASTM D5185(m) | >50 | 13 | 6 | 8 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 2 | 0 |
| Water | % | ASTM D6304* | >.1 | 0.040 | --- | --- |
| ppm Water | ppm | ASTM D6304* | >1000 | 405 | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | ▲ LAYRD | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >.1 | .2% | ▲ .5% | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Boron | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Barium | ppm | ASTM D5185(m) | 5.0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | 5.0 | 0 | <1 | 0 |
| Calcium | ppm | ASTM D5185(m) | 5.0 | 1 | 3 | 1 |
| Phosphorus | ppm | ASTM D5185(m) | 100 | 323 | 69 | 168 |
| Zinc | ppm | ASTM D5185(m) | 5.0 | 3 | 2 | 5 |
| Sulfur | ppm | ASTM D5185(m) | 1900 | 248 | 2244 | 1546 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 219 | 221 | 214 | 213 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0941311 **Received** : 04 Jul 2024
Lab Number : 02645559 **Tested** : 08 Jul 2024
Unique Number : 5803098 **Diagnosed** : 08 Jul 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KF)

OX FLEET CARE
 466 HIGHWAY 52
 DUNDAS, ON
 CA L9H 5E2
 Contact: Robert Hughes
 robert.hughes@ox-equipment.com
 T: (289)683-6037
 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.