



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
RONI
 Machine Id
100-019
 Component
Right Final Drive
 Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | WC0872889 | --- | --- |
| Sample Date | Client Info | | 20 Dec 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | Changed | --- | --- |
| 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 | 220 | --- | --- |
| Chromium | ppm | ASTM D5185(m) >10 | 3 | --- | --- |
| Nickel | ppm | ASTM D5185(m) >10 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | <1 | --- | --- |
| Silver | ppm | ASTM D5185(m) | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) >25 | 27 | --- | --- |
| Lead | ppm | ASTM D5185(m) >25 | <1 | --- | --- |
| Copper | ppm | ASTM D5185(m) >50 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) >10 | 0 | --- | --- |
| Antimony | ppm | ASTM D5185(m) >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Beryllium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185(m) | 0 | --- | --- |

ADDITIVES

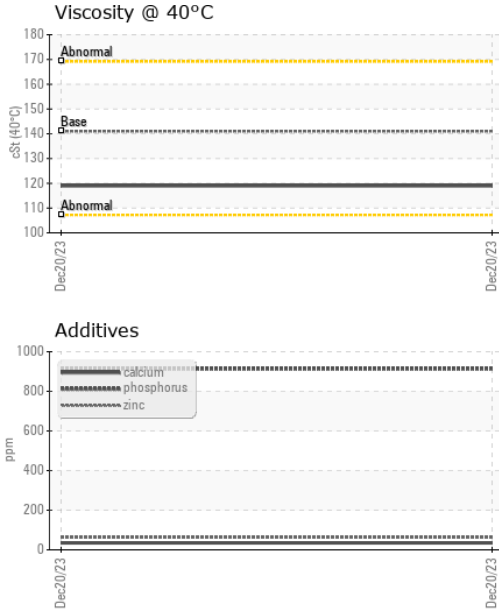
| | method | limit/base | current | history1 | history2 |
|------------|--------|---------------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) 243 | 189 | --- | --- |
| Barium | ppm | ASTM D5185(m) 1 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) 2 | 11 | --- | --- |
| Calcium | ppm | ASTM D5185(m) 6 | 35 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) 987 | 914 | --- | --- |
| Zinc | ppm | ASTM D5185(m) 1 | 62 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) 21530 | 15702 | --- | --- |
| Lithium | ppm | ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >75 | 85 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | 4 | --- | --- |
| Potassium | ppm | ASTM D5185(m) >20 | 13 | --- | --- |



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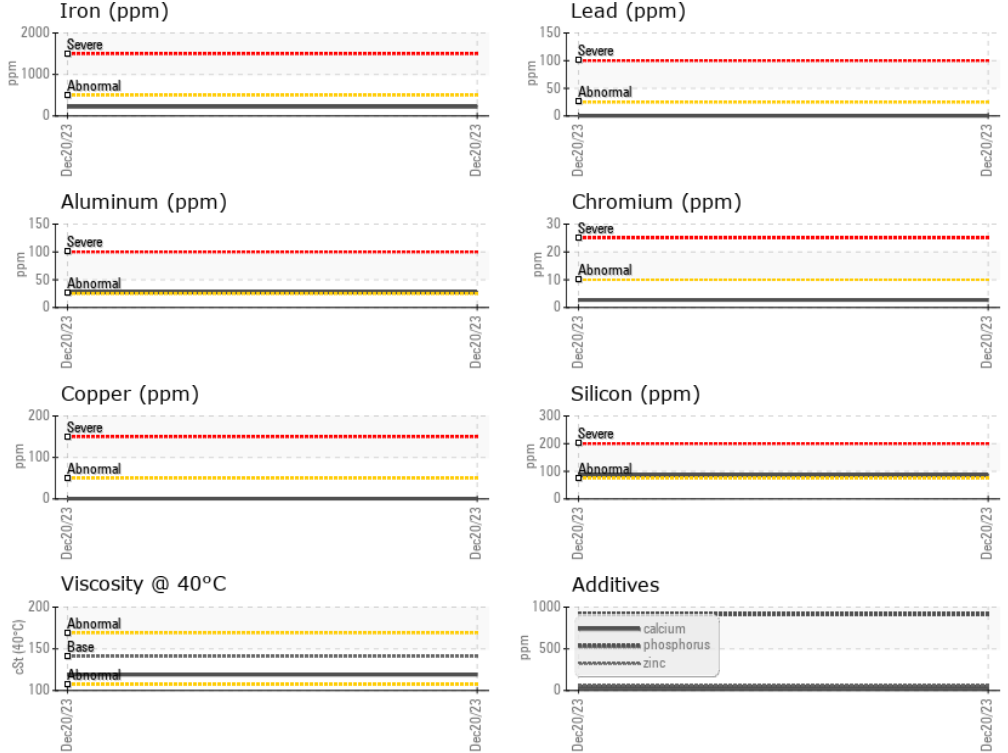
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- |
| Precipitate | scalar | Visual* | NONE | NONE | --- |
| 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) | 141.0 | 119 | --- |

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

| | | | | | |
|--------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**
Sample No. : WC0872889 **Recieved** : 27 Dec 2023 **100 MACINTOSH BLVD**
Lab Number : 02605435 **Diagnosed** : 28 Dec 2023 **VAUGHAN, ON**
Unique Number : 5698520 **Diagnostician** : Kevin Marson **CA L4K 4P3**
Test Package : MOBCE (Additional Tests: Visual) **Contact: Service Team**
service.team@roni.ca

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.