



OIL ANALYSIS REPORT

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

Machine Id
FARE RF04 GODET 1A

Component
Gearbox

Fluid
PETRO CANADA ENDURATEX SYNTHETIC EP 220 (30 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0879242 | WC0575275 | WC0543841 |
| Sample Date | | Client Info | | 14 Mar 2024 | 08 Sep 2021 | 25 Feb 2021 |
| Machine Age | mths | Client Info | | 0 | 0 | 0 |
| Oil Age | mths | Client Info | | 0 | 0 | 0 |
| Filter Age | mths | 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 | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|------|
| PQ | | ASTM D8184 | | 18 | --- | --- |
| Iron | ppm | ASTM D5185m | >200 | 34 | 32 | 46 |
| Chromium | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >15 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | <1 | 0 |
| Lead | ppm | ASTM D5185m | >100 | 14 | 12 | 16 |
| Copper | ppm | ASTM D5185m | >200 | 3 | 2 | 2 |
| Tin | ppm | ASTM D5185m | >25 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | VLITE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

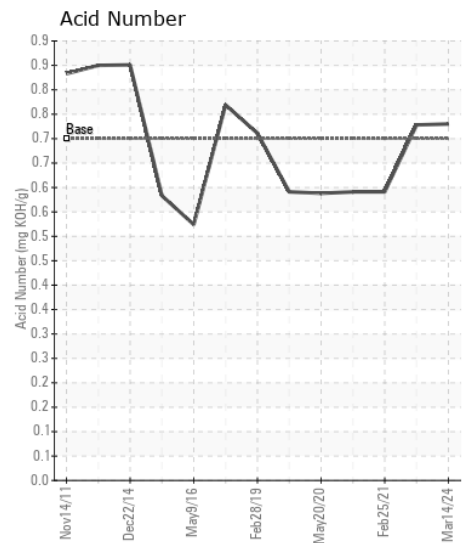
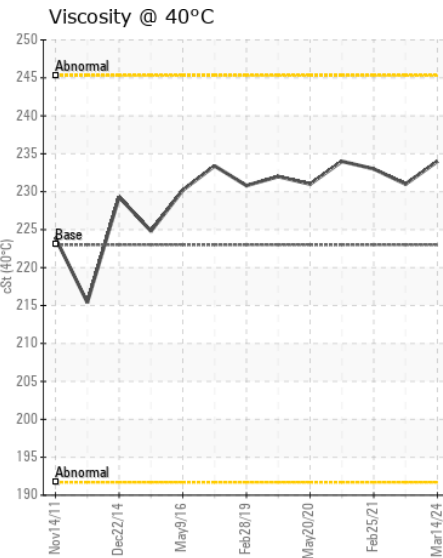
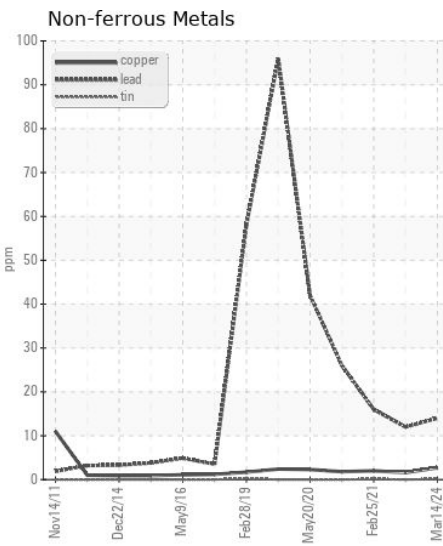
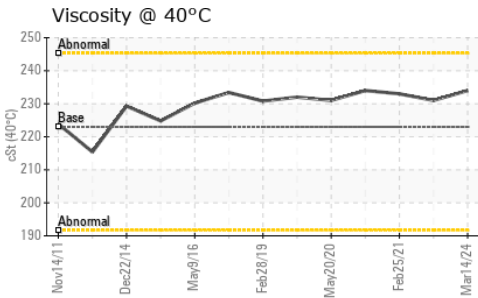
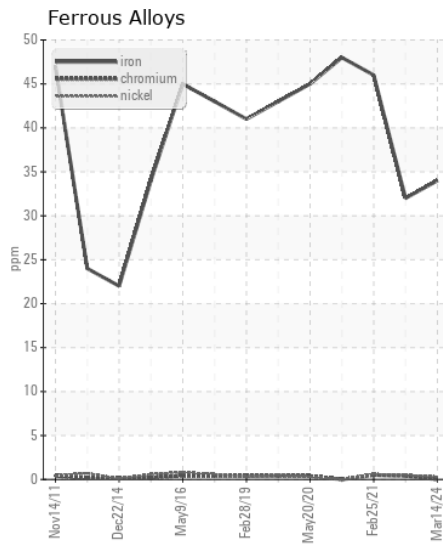
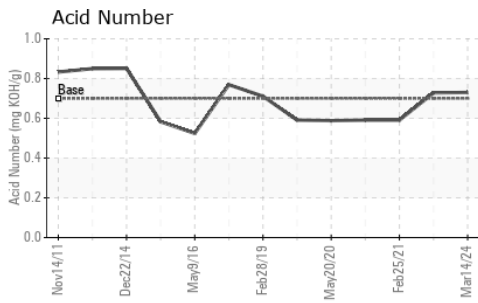
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | <1 | <1 | <1 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 5 | <1 |
| Water | % | ASTM D6304 | >0.2 | NEG | NEG | NEG |
| 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 | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 2 | 2 | <1 |
| Boron | ppm | ASTM D5185m | 33 | 16 | 17 | 18 |
| Barium | ppm | ASTM D5185m | 5 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 5 | <1 | 0 | 0 |
| Calcium | ppm | ASTM D5185m | 5 | <1 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185m | 437 | 241 | 225 | 279 |
| Zinc | ppm | ASTM D5185m | 5 | 117 | 109 | 138 |
| Sulfur | ppm | ASTM D5185m | 5000 | 3151 | 1998 | 2764 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.7 | 0.73 | 0.728 | 0.591 |
| Visc @ 40°C | cSt | ASTM D445 | 223 | 234 | 231 | 233 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0879242

Lab Number : 06121649

Unique Number : 10930482

Test Package : PLANT

Received : 18 Mar 2024

Tested : 21 Mar 2024

Diagnosed : 21 Mar 2024 - Jonathan Hester

PROPEX RINGGOLD PLANT

428 ROLLINS INDUSTRIAL BLVD

RINGGOLD, GA

US 30736

Contact: MITCH HELTON

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T: (423)553-3723

F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)