



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

Machine Id
Liberty 1
 Component
Compressor
 Fluid
PETRO CANADA SENTRON LD 3000 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0111973 | PCA0117136 | PCA0111971 |
| Sample Date | | Client Info | | 02 Apr 2024 | 01 Mar 2024 | 02 Feb 2024 |
| Machine Age | hrs | Client Info | | 70936 | 70196 | 69528 |
| Oil Age | hrs | Client Info | | 30590 | 29850 | 29182 |
| Filter Age | hrs | Client Info | | 29686 | 28946 | 28278 |
| 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.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >50 | <1 | 0 | 0 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | <1 | 0 |
| Lead | ppm | ASTM D5185m | >25 | 1 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >50 | 1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

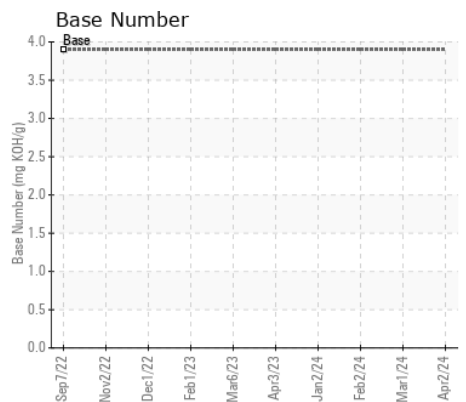
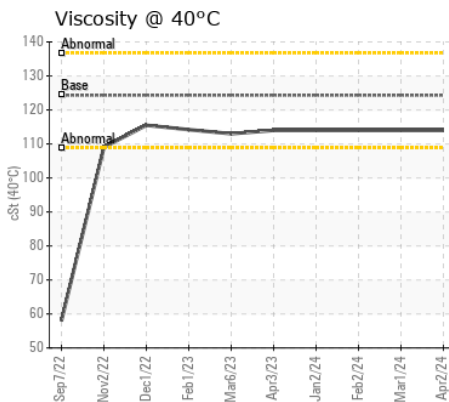
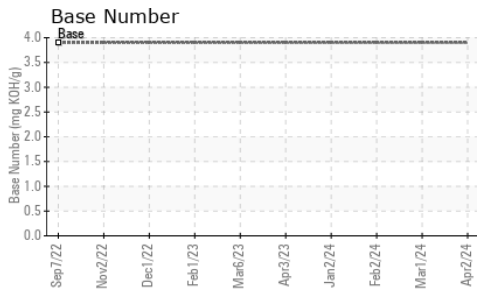
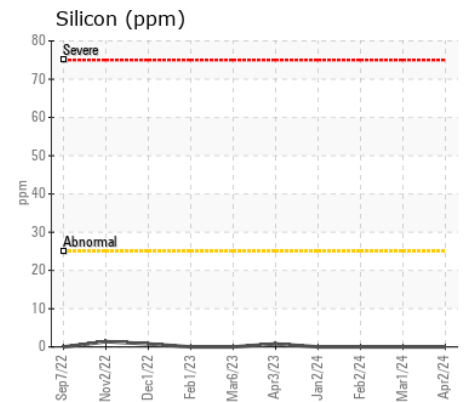
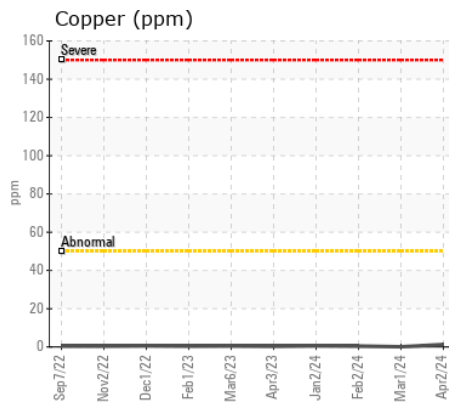
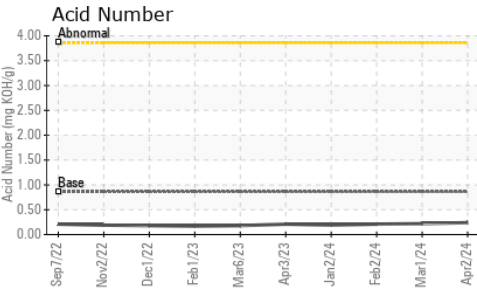
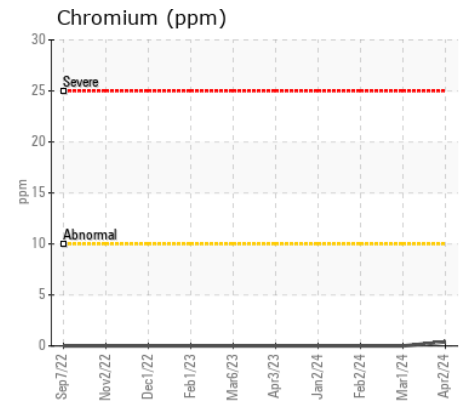
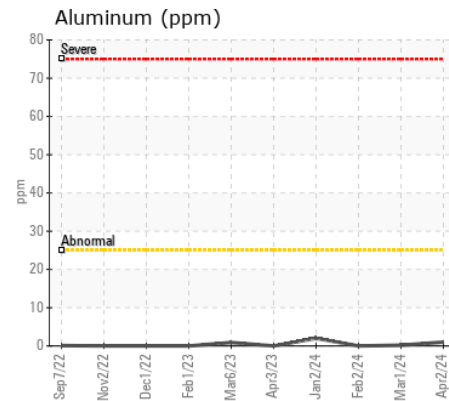
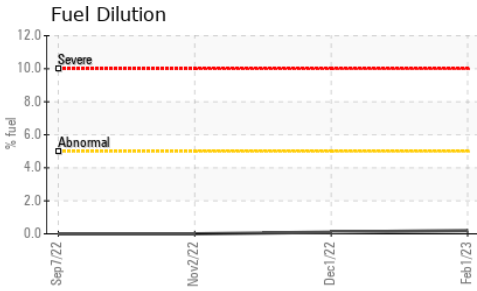
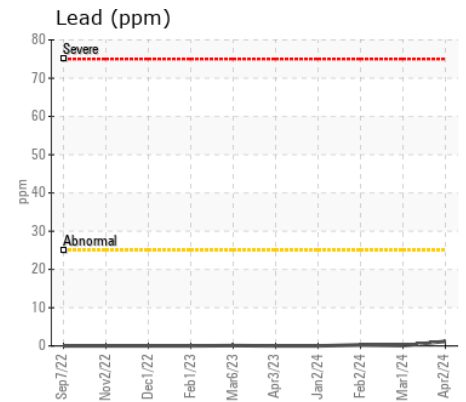
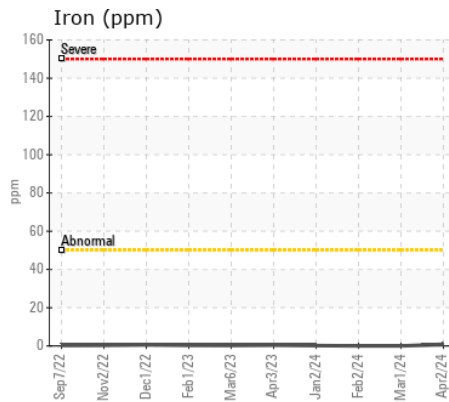
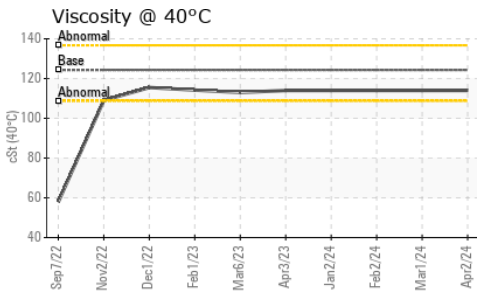
There is no indication of any contamination in the component.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 1 | 1 |
| Water | | WC Method | >0.1 | 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 | >0.1 | 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 | | 0 | 2 | 2 |
| Boron | ppm | ASTM D5185m | 5 | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 1 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 2 | <1 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | 1 | <1 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | 5 | <1 | 0 | 1 |
| Calcium | ppm | ASTM D5185m | 1220 | 36 | 8 | 17 |
| Phosphorus | ppm | ASTM D5185m | 298 | 18 | 7 | 8 |
| Zinc | ppm | ASTM D5185m | 350 | 10 | 4 | 2 |
| Sulfur | ppm | ASTM D5185m | 1995 | 1533 | 1315 | 1372 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.86 | 0.24 | 0.22 | 0.21 |
| Visc @ 40°C | cSt | ASTM D445 | 124.3 | 114 | 114 | 114 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111973
Lab Number : 06146019
Unique Number : 10976097
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel, TBN)

ENERVEST OPERATING - LIBERTY
 318 SINGLETON ROAD
 NORA, VA
 US 24272
 Contact: Service Manager

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)

T:
F: