

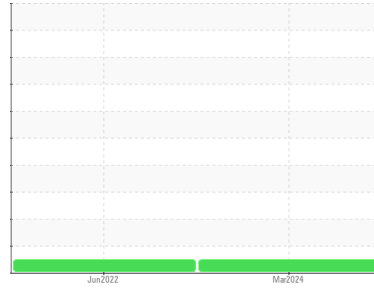
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
N.E.R./Off-Road
Machine Id
L821
Component
Rear Differential
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)



DIAGNOSIS

Recommendation

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

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

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | | PCA0110060 | PCA0072321 | --- |
| Sample Date | Client Info | | 12 Mar 2024 | 13 Jun 2022 | --- |
| Machine Age | hrs | Client Info | 17710 | 14794 | --- |
| Oil Age | hrs | Client Info | 17710 | 14794 | --- |
| Oil Changed | Client Info | | N/A | N/A | --- |
| Sample Status | | | NORMAL | NORMAL | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >.2 | NEG | NEG | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >500 | 29 | 119 | --- |
| Chromium | ppm | ASTM D5185m >3 | <1 | 1 | --- |
| Nickel | ppm | ASTM D5185m >3 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185m >2 | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m >2 | <1 | <1 | --- |
| Aluminum | ppm | ASTM D5185m >30 | 2 | 2 | --- |
| Lead | ppm | ASTM D5185m >13 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m >103 | 14 | 34 | --- |
| Tin | ppm | ASTM D5185m >5 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | <1 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | <1 | <1 | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m 243 | 2 | 0 | --- |
| Barium | ppm | ASTM D5185m 1 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 3 | 4 | --- |
| Manganese | ppm | ASTM D5185m | <1 | 1 | --- |
| Magnesium | ppm | ASTM D5185m 2 | 28 | 50 | --- |
| Calcium | ppm | ASTM D5185m 6 | 3025 | 2942 | --- |
| Phosphorus | ppm | ASTM D5185m 987 | 1134 | 991 | --- |
| Zinc | ppm | ASTM D5185m 1 | 1309 | 1184 | --- |
| Sulfur | ppm | ASTM D5185m 21530 | 7990 | 11123 | --- |

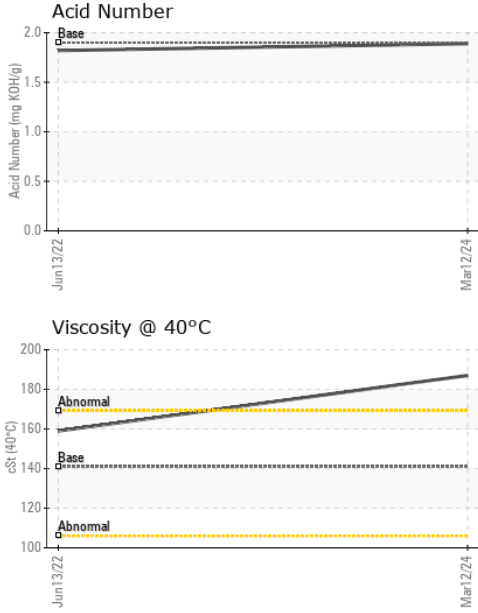
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >100 | 5 | 5 | --- |
| Sodium | ppm | ASTM D5185m | 0 | 3 | --- |
| Potassium | ppm | ASTM D5185m >20 | 2 | <1 | --- |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 1.9 | 1.89 | 1.82 | --- |

OIL ANALYSIS REPORT

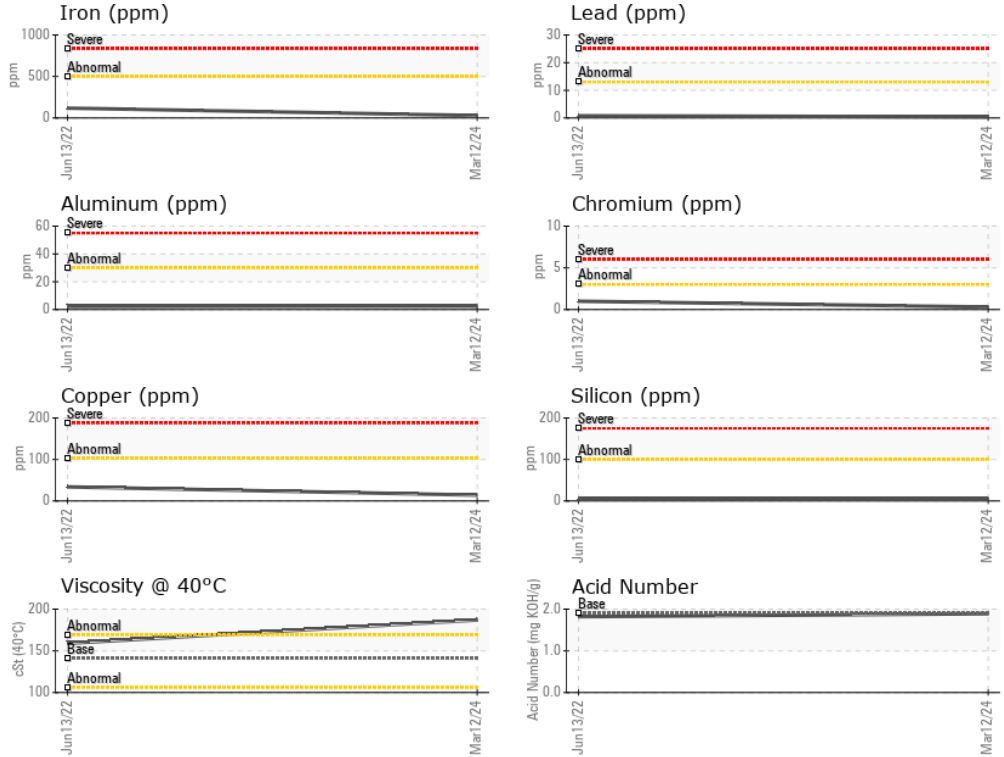


| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| 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 | >.2 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 141.0 | 187 | 159 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0110060 **Received** : 14 Mar 2024
Lab Number : 06118453 **Tested** : 15 Mar 2024
Unique Number : 10927286 **Diagnosed** : 18 Mar 2024 - Don Baldrige
Test Package : MOB 2

G LOPES CONSTRUCTION
 565 WINTHROP ST
 TAUNTON, MA
 US 02780
 Contact: BUTCH MCGRATH
 bmcgrath@glopes.com

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: