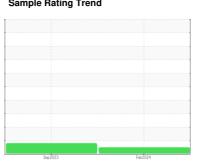


OIL ANALYSIS REPORT

Sample Rating Trend









PETRO CANADA DUR

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

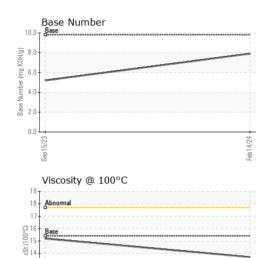
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| N SHP 15W40 (| - GAL) | | Sep2023 | Feb2024 | | |
|----------------------------|--------------|-------------|------------|-------------|--------------|----------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | GFL0108366 | GFL0090349 | |
| Sample Date | | Client Info | | 14 Feb 2024 | 15 Sep 2023 | |
| Machine Age | hrs | Client Info | | 21487 | 20306 | |
| Oil Age | hrs | Client Info | | 21487 | 20306 | |
| Oil Changed | | Client Info | | Changed | N/A | |
| Sample Status | | | | NORMAL | ABNORMAL | |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | |
| Water | | WC Method | >0.2 | NEG | NEG | |
| Glycol | | WC Method | | NEG | NEG | |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >100 | 12 | 30 | |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 1 | |
| Nickel | ppm | ASTM D5185m | >2 | <1 | 5 | |
| Titanium | ppm | ASTM D5185m | >2 | 0 | 0 | |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 2 | |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | |
| Copper | ppm | ASTM D5185m | >330 | <1 | 2 | |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | 8 | 9 | |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | |
| Molybdenum | ppm | ASTM D5185m | 60 | 55 | 54 | |
| Manganese | ppm | ASTM D5185m | 0 | <1 | <1 | |
| Magnesium | ppm | ASTM D5185m | 1010 | 845 | 882 | |
| Calcium | ppm | ASTM D5185m | 1070 | 934 | 1194 | |
| Phosphorus | ppm | ASTM D5185m | 1150 | 975 | 948 | |
| Zinc | ppm | ASTM D5185m | 1270 | 1116 | 1160 | |
| Sulfur | ppm | ASTM D5185m | 2060 | 2839 | 3672 | |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 8 | 13 | |
| Sodium | ppm | ASTM D5185m | | 16 | 21 | |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 3 | |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.6 | ▲ 3.8 | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 8.6 | 15.1 | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 18.6 | 30.6 | |
| FLUID DEGRAI | NOITAC | | limit/base | current | history1 | history2 |
| Out deathers | Abs/.1mm | *ASTM D7414 | >25 | 15.1 | 22.4 | |
| Oxidation Base Number (BN) | AUS/. IIIIII | AOTIVIDITIT | 725 | 13.1 | 22.4 | |



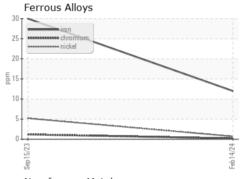
OIL ANALYSIS REPORT

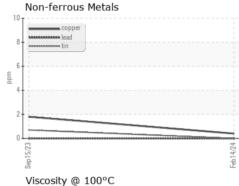


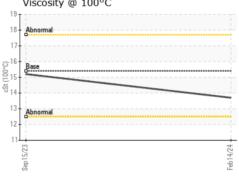
| VISUAL | | method | limit/base | current | history1 | history2 |
|-------------------------|--------|---------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | |
| Silt | scalar | *Visual | NONE | NONE | NONE | |
| Debris | scalar | *Visual | NONE | NONE | NONE | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| Appearance | scalar | *Visual | NORML | NORML | NORML | |
| Odor | scalar | *Visual | NORML | NORML | NORML | |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | |
| Free Water | scalar | *Visual | | NEG | NEG | |
| | | | | | | |

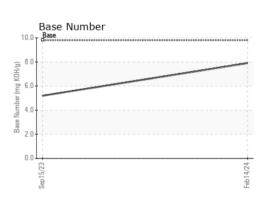
| FLUID PROP | ERTIES | method | | | | history2 |
|--------------|--------|-----------|------|------|------|----------|
| Visc @ 100°C | cSt | ASTM D445 | 15.4 | 13.7 | 15.2 | |

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06096146

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0108366

Received **Tested Unique Number** : 10888999 Diagnosed Test Package : FLEET

: 21 Feb 2024 : 22 Feb 2024

: 22 Feb 2024 - Wes Davis

GFL Environmental - 963 - Peoria HC Disposal

1113 N. Swords Ave. West Peoria, IL US 61604

Contact: Corey Dozard cdozard@gflenv.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: