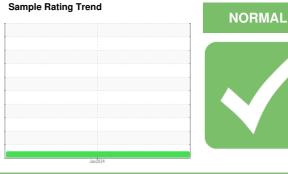


OIL ANALYSIS REPORT

Machine Id **828099**

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL)



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

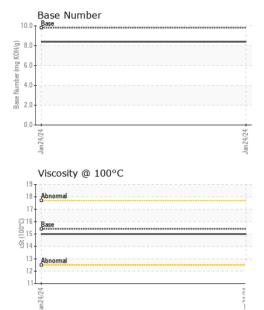
Fluid Condition

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

| AAL) | | | | Jan2024 | | |
|------------------|----------|-------------|------------|-------------|----------|----------|
| SAMPLE INFOR | RMATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | GFL0108537 | | |
| Sample Date | | Client Info | | 24 Jan 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINA | ΓΙΟΝ | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Glycol | | WC Method | | NEG | | |
| WEAR METAI | LS | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >100 | 30 | | |
| Chromium | ppm | ASTM D5185m | >20 | <1 | | |
| Nickel | ppm | ASTM D5185m | >4 | 0 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | >3 | <1 | | |
| Aluminum | ppm | ASTM D5185m | >20 | 3 | | |
| Lead | ppm | ASTM D5185m | >40 | 2 | | |
| Copper | ppm | ASTM D5185m | >330 | 1 | | |
| Tin | ppm | ASTM D5185m | >15 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | 9 | | |
| Barium | ppm | ASTM D5185m | 0 | 25 | | |
| Molybdenum | ppm | ASTM D5185m | 60 | 69 | | |
| Manganese | ppm | ASTM D5185m | 0 | 0 | | |
| Magnesium | ppm | ASTM D5185m | 1010 | 965 | | |
| Calcium | ppm | ASTM D5185m | 1070 | 1128 | | |
| Phosphorus | ppm | ASTM D5185m | 1150 | 1068 | | |
| Zinc | ppm | ASTM D5185m | 1270 | 1266 | | |
| Sulfur | ppm | ASTM D5185m | 2060 | 3052 | | |
| CONTAMINA | NTS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 4 | | |
| Sodium | ppm | ASTM D5185m | | 31 | | |
| Potassium | ppm | ASTM D5185m | >20 | 16 | | |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.4 | | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 9.7 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 21.8 | | |
| FLUID DEGRA | DATION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 17.7 | | |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.8 | 8.4 | | |



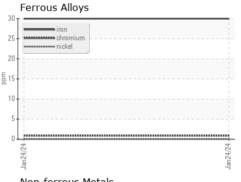
OIL ANALYSIS REPORT

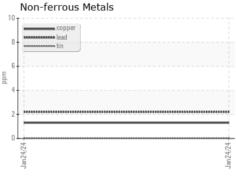


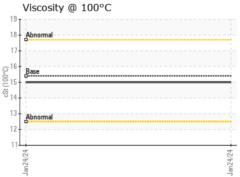
| VISUAL | | method | limit/base | current | history1 | history2 | |
|-------------------------|--------|---------|------------|---------|----------|----------|--|
| White Metal | scalar | *Visual | NONE | NONE | | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | | |
| Precipitate | scalar | *Visual | 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 | >0.2 | NEG | | | |
| Free Water | scalar | *Visual | | NEG | | | |
| FLUID DOODEDTIES | | | | | | | |

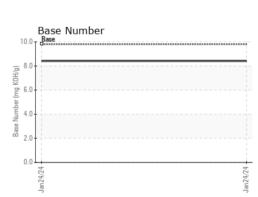
| FLUID PROPE | ERITES | method | ilmit/base | current | nistory i | nistory2 |
|--------------|--------|-----------|------------|---------|-----------|----------|
| Visc @ 100°C | cSt | ASTM D445 | 15.4 | 15.0 | | |

GRAPHS











Report Id: GFL904 [WUSCAR] 06084534 (Generated: 02/12/2024 11:48:02) Rev: 1

Laboratory Sample No. Lab Number : 06084534

Test Package : FLEET

: GFL0108537 Unique Number : 10871979

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 09 Feb 2024 : 12 Feb 2024 Diagnosed : 12 Feb 2024 - Don Baldridge

GFL Environmental - 904 - Chippewa Falls HC

11888 & 11863 30th Avenue Chippewa Falls, WI US 54729

Contact: Andy Kane

T: (715)202-3420

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)