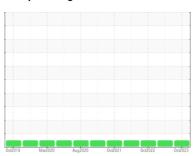


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 11297 isuzu 4hkitc

Component Discol Engin

Diesel Engine

PETRO CANADA DURON SHP 15W40 (16 QTS)

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

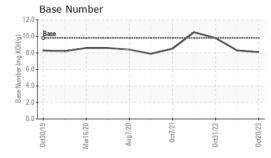
Fluid Condition

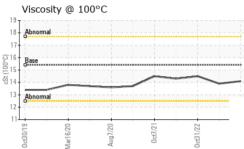
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| Q15) | | Oct2019 | Mar2020 Aug2020 | Oct2021 Oct2022 | Oct2023 | |
|------------------|----------|-------------|-----------------|-----------------|-------------|-------------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | GFL0094709 | GFL0087116 | GFL0056514 |
| Sample Date | | Client Info | | 20 Oct 2023 | 29 Jun 2023 | 31 Oct 2022 |
| Machine Age | mls | Client Info | | 228012 | 215545 | 187820 |
| Oil Age | mls | Client Info | | 12467 | 27725 | 12268 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >100 | 13 | 13 | 17 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 3 | 2 | <1 |
| Lead | ppm | ASTM D5185m | >40 | <1 | <1 | 1 |
| Copper | ppm | ASTM D5185m | >330 | 1 | 1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 2 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | <1 | 2 | 5 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 2 | 0 |
| Molybdenum | ppm | ASTM D5185m | 60 | 53 | 66 | 62 |
| Manganese | ppm | ASTM D5185m | 0 | <1 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | 1010 | 919 | 834 | 918 |
| Calcium | ppm | ASTM D5185m | 1070 | 1009 | 1155 | 1438 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 909 | 1033 | 1086 |
| Zinc | ppm | ASTM D5185m | 1270 | 1194 | 1178 | 1408 |
| Sulfur | ppm | ASTM D5185m | 2060 | 2708 | 2953 | 3792 |
| CONTAMINAN | ITS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 4 | 3 | 3 |
| Sodium | ppm | ASTM D5185m | | 2 | 0 | 59 |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 3 | 3 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 1.5 | 1.2 | 1.1 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 11.7 | 10.8 | 12.8 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 22.1 | 22.1 | 25.0 |
| FLUID DEGRA | OATION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 19.5 | 20.2 | 22.6 |
| Base Number (BN) | mg KOH/g | | 9.8 | 8.1 | 8.3 | 9.8 |
| | 39 | | | | | |



OIL ANALYSIS REPORT

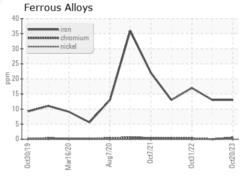


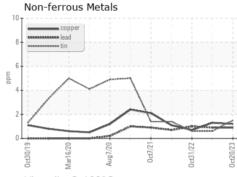


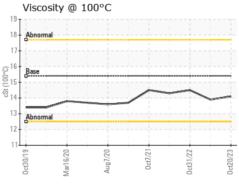
| VISUAL | | method | limit/base | current | history1 | history2 |
|-------------------------|--------|---------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate |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

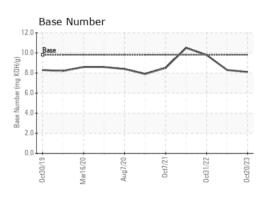
| FLUID PROPERTIES | | method | | | | history2 | |
|------------------|-----|-----------|------|------|------|----------|--|
| Visc @ 100°C | cSt | ASTM D445 | 15.4 | 14.1 | 13.9 | 14.5 | |

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number**

: GFL0094709 : 05986026

: 10708688 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Oct 2023 Diagnosed : 23 Oct 2023

Diagnostician : Wes Davis

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson craig.johnson@gflenv.com T: (919)662-7100

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)

F: (919)662-7130