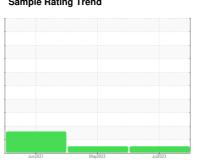


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



108941

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

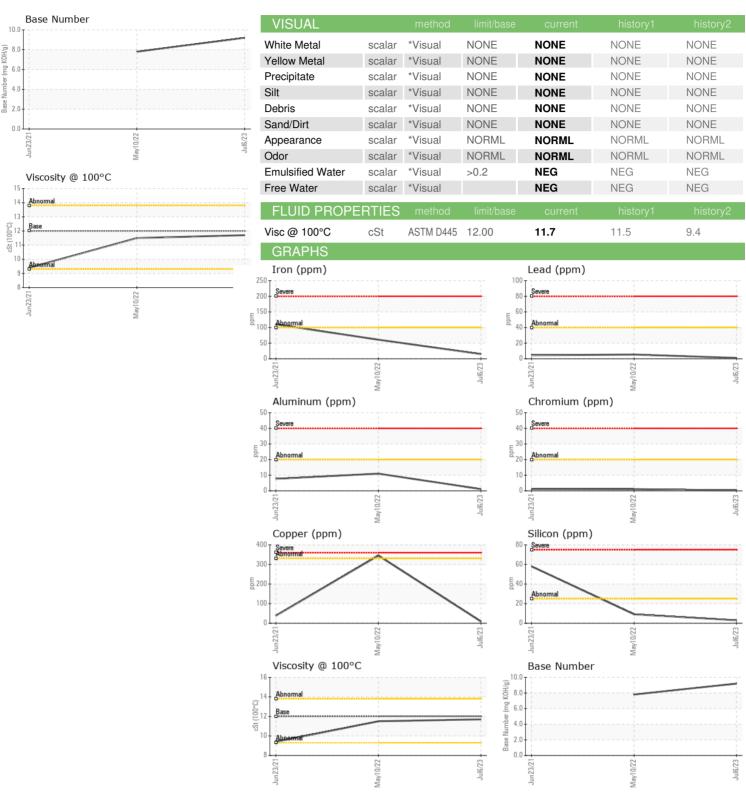
Fluid Condition

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

| QTS) | | Ju | n2021 | May2022 Jul202 | 3 | |
|---|----------|-------------|------------|----------------|-------------|---------------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0100755 | PCA0073272 | PCA0053286 |
| Sample Date | | Client Info | | 06 Jul 2023 | 10 May 2022 | 23 Jun 2021 |
| Machine Age | mls | Client Info | | 0 | 18475 | 3953 |
| Oil Age | mls | Client Info | | 4949 | 3000 | 3953 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | ATTENTION |
| 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 | 15 | 61 | 110 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 1 | 1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 2 | 7 | <1 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 2 | 2 |
| Aluminum | ppm | ASTM D5185m | >20 | 1 | 11 | 8 |
| Lead | ppm | ASTM D5185m | >40 | 1 | 5 | 5 |
| Copper | ppm | ASTM D5185m | >330 | 9 | 345 | 39 |
| Tin | ppm | ASTM D5185m | >15 | <1 | 2 | 4 |
| Antimony | ppm | ASTM D5185m | | | | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 2 | 5 | 12 | <u>▲</u> 278 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 7 |
| Molybdenum | ppm | ASTM D5185m | 50 | 57 | 52 | <u>^</u> 2 |
| Manganese | ppm | ASTM D5185m | 0 | <1 | 3 | 7 |
| Magnesium | ppm | ASTM D5185m | 950 | 952 | 883 | △ 36 |
| Calcium | ppm | ASTM D5185m | 1050 | 1229 | 1394 | <u>^</u> 2087 |
| Phosphorus | ppm | ASTM D5185m | 995 | 1025 | 1012 | 953 |
| Zinc | ppm | ASTM D5185m | 1180 | 1258 | 1234 | 1145 |
| Sulfur | ppm | ASTM D5185m | 2600 | 3712 | 2499 | 2515 |
| CONTAMINAN | ITS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 3 | 9 | 58 |
| Sodium | ppm | ASTM D5185m | | 5 | 7 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 10 | 14 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 8.0 | 1.2 | 0.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 8.3 | 11.3 | 8.6 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.5 | 22.2 | 27.6 |
| FLUID DEGRADATION method limit/base current history1 history2 | | | | | | |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.1 | 17.9 | 21.8 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 9.2 | 7.8 | |
| | | | | | | |



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0100755 : 05903019 : 10564375

Received

: 20 Jul 2023 Diagnosed : 20 Jul 2023 Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: TBN) 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.

MILLER TRUCK LEASING #118

Contact/Location: ROSTY VITER - MILPHINE

2196 BENNETT ROAD PHILADELPHIA, PA US 19116

Contact: ROSTY VITER rviter@millertransgroup.com

T: (215)552-9832 F: (215)552-9892

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)