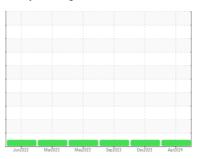


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
636782
Component

Diesel Engine

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

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

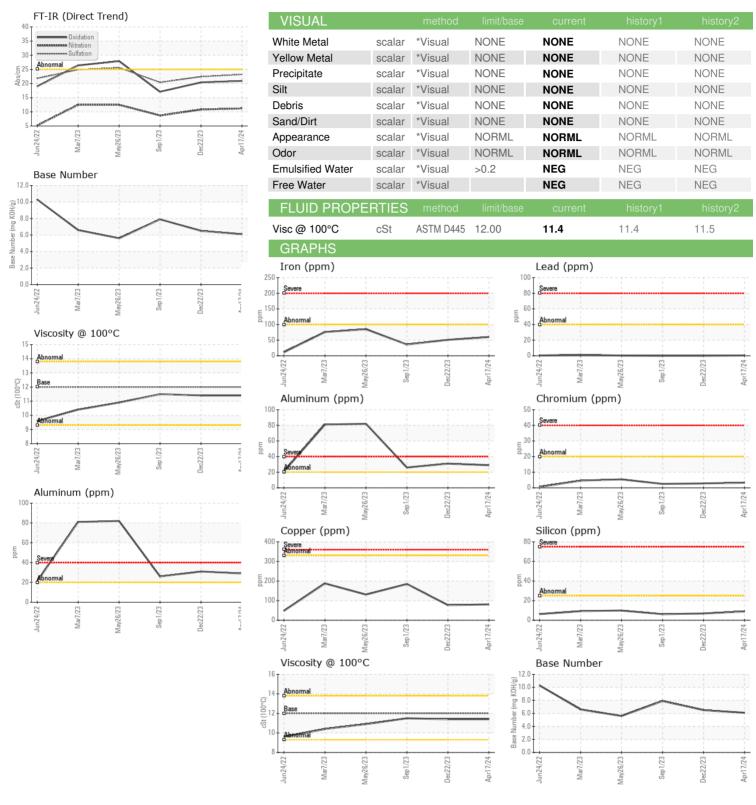
Fluid Condition

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

| GAL) | | Jun2022 | Mar2023 May2023 | Sep2023 Dec2023 | Apr2024 | |
|------------------|----------|-------------|-----------------|-----------------|-------------|-------------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0123908 | PCA0115270 | PCA0104286 |
| Sample Date | | Client Info | | 17 Apr 2024 | 22 Dec 2023 | 01 Sep 2023 |
| Machine Age | mls | Client Info | | 119822 | 102159 | 83980 |
| Oil Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >100 | 60 | 51 | 36 |
| Chromium | ppm | ASTM D5185m | >20 | 3 | 3 | 2 |
| Nickel | ppm | ASTM D5185m | >4 | 1 | 0 | 1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | <1 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 29 | 31 | 26 |
| Lead | ppm | ASTM D5185m | >40 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 81 | 77 | 185 |
| Tin | ppm | ASTM D5185m | >15 | 3 | 2 | 2 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 2 | 3 | 5 | 4 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 50 | 66 | 61 | 61 |
| Manganese | ppm | ASTM D5185m | 0 | 2 | 2 | 2 |
| Magnesium | ppm | ASTM D5185m | 950 | 861 | 912 | 894 |
| Calcium | ppm | ASTM D5185m | 1050 | 1171 | 1198 | 1194 |
| Phosphorus | ppm | ASTM D5185m | 995 | 810 | 938 | 977 |
| Zinc | ppm | ASTM D5185m | 1180 | 1128 | 1175 | 1220 |
| Sulfur | ppm | ASTM D5185m | 2600 | 2125 | 2039 | 2865 |
| CONTAMINAN | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 9 | 7 | 6 |
| Sodium | ppm | ASTM D5185m | 00 | 1 | 2 | 3 |
| Potassium | ppm | ASTM D5185m | | 65 | 64 | 57 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 1.3 | 1.2 | 0.7 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 11.2 | 10.8 | 8.7 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 23.2 | 22.4 | 20.4 |
| FLUID DEGRAD | DATION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 20.9 | 20.4 | 17.1 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 6.1 | 6.5 | 7.9 |



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06157220 Unique Number : 10992643

: PCA0123908

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

Received : 23 Apr 2024 **Tested** Diagnosed

: 24 Apr 2024 : 24 Apr 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

MILLER TRUCK LEASING #119

39 INDUSTRIAL AVE HASBROUCK HEIGHTS, NJ US 07604

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T: