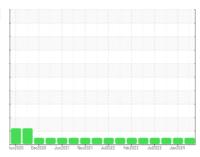


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 1926752

Diesel Engine

PETRO CANADA DURON SHP 10W30 (35 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

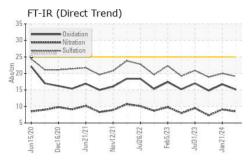
Fluid Condition

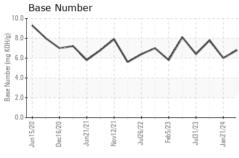
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

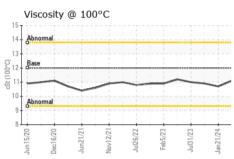
| QIS) | | lunŽ020 Deci | 2020 Jun2021 Nov2021 | Jul2022 Feb2023 Jul2023 | Jan2024 | |
|---|----------|--------------|----------------------|-------------------------|-------------|-------------|
| SAMPLE INFOR | RMATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0127252 | PCA0116211 | PCA0106106 |
| Sample Date | | Client Info | | 22 May 2024 | 21 Jan 2024 | 22 Oct 2023 |
| Machine Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Age | mls | Client Info | | 20000 | 40000 | 20000 |
| Oil Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINAT | TION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >6.0 | <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 | 20 | 23 | 14 |
| Chromium | ppm | ASTM D5185m | >20 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 30 | <1 | 1 |
| Silver | ppm | ASTM D5185m | >2 | <1 | <1 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | 2 | 2 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 3 | <1 |
| Copper | ppm | ASTM D5185m | >330 | 5 | 5 | 5 |
| Tin | ppm | ASTM D5185m | >15 | 0 | 2 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Cadmium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 2 | 25 | 1 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 50 | 38 | 50 | 56 |
| Manganese | ppm | ASTM D5185m | 0 | <1 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | 950 | 792 | 823 | 902 |
| Calcium | ppm | ASTM D5185m | 1050 | 1346 | 990 | 1012 |
| Phosphorus | ppm | ASTM D5185m | 995 | 1068 | 906 | 964 |
| Zinc | ppm | ASTM D5185m | 1180 | 1286 | 1053 | 1180 |
| Sulfur | ppm | ASTM D5185m | 2600 | 4005 | 3044 | 3409 |
| CONTAMINAN | NTS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 4 | 4 | 4 |
| Sodium | ppm | ASTM D5185m | | 6 | 10 | 7 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 4 | 4 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.2 | 0.3 | 0.3 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 8.5 | 9.1 | 7.3 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.1 | 20.0 | 18.9 |
| FLUID DEGRADATION method limit/base current history1 history2 | | | | | | |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.1 | 16.7 | 14.8 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 6.8 | 6.0 | 7.8 |
| () | 0 - 9 | | | | | |



OIL ANALYSIS REPORT



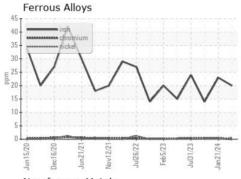


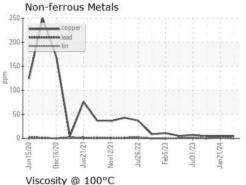


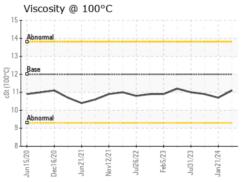
| VISUAL | | method | limit/base | current | history1 | history2 |
|-------------------------|--------|---------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate |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

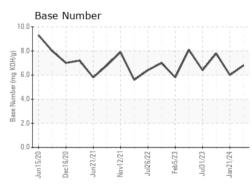
| FLUID PROPE | RHES | method | ilmit/base | current | nistory i | nistory2 |
|--------------|------|-----------|------------|---------|-----------|----------|
| Visc @ 100°C | cSt | ASTM D445 | 12.00 | 11.1 | 10.7 | 10.9 |

GRAPHS













Certificate 12367

Sample No. Test Package : FLEET

: PCA0127252 Lab Number : 06219405 Unique Number : 11097602

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

Received : 25 Jun 2024 **Tested** : 25 Jun 2024 Diagnosed

: 25 Jun 2024 - Wes Davis

GEORGETOWN, DE US 19947

20621 SAVANAH RD

Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com

PERDUE FARMS - GEORGETOWN

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: