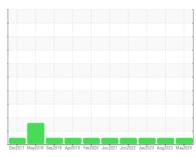


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id SETRA 432U

Component

Diesel Engine

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

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

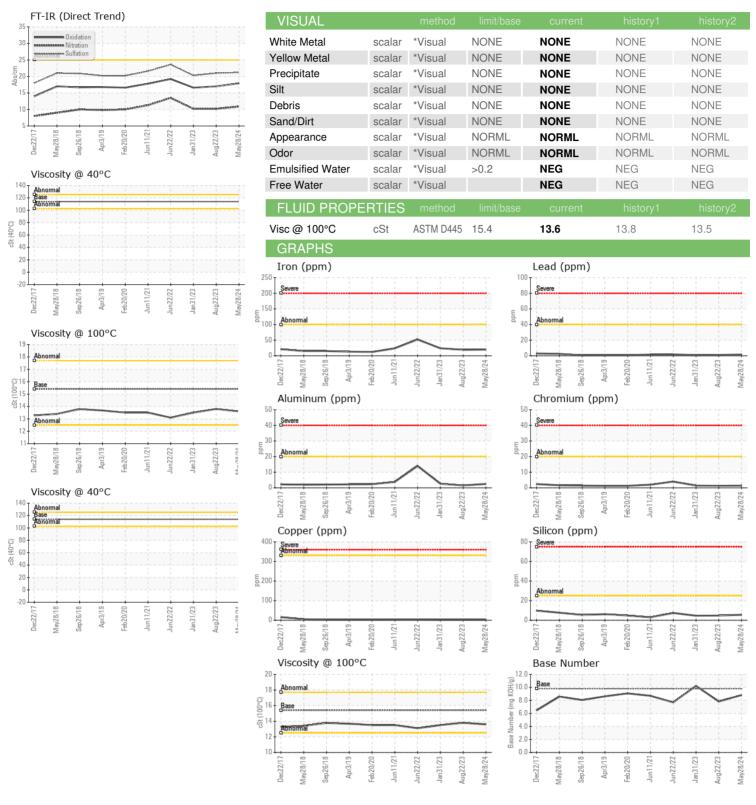
Fluid Condition

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

| GAL) Osc2017 May2018 Say2018 Apr2019 Feb2020 Jun2021 Jun2022 Jun2023 May2023 May2024 | | | | | | |
|---|----------|-------------|------------|-------------|-------------|-------------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0112161 | PCA0102866 | PCA0082322 |
| Sample Date | | Client Info | | 28 May 2024 | 22 Aug 2023 | 31 Jan 2023 |
| Machine Age | mls | Client Info | | 207515 | 179712 | 179712 |
| Oil Age | mls | Client Info | | 14665 | 13138 | 14908 |
| 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 |
| 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 | 19 | 24 |
| Chromium | ppm | ASTM D5185m | >20 | 1 | 1 | 1 |
| Nickel | ppm | ASTM D5185m | >4 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >3 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 2 | 2 | 3 |
| Lead | ppm | ASTM D5185m | >40 | 2 | 1 | <1 |
| Copper | ppm | ASTM D5185m | >330 | 3 | 1 | 2 |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | 6 | 0 | 3 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 60 | 65 | 65 | 57 |
| Manganese | ppm | ASTM D5185m | 0 | 1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 1010 | 1009 | 1079 | 907 |
| Calcium | ppm | ASTM D5185m | 1070 | 1144 | 1163 | 1029 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 1116 | 1087 | 951 |
| Zinc | ppm | ASTM D5185m | 1270 | 1319 | 1336 | 1165 |
| Sulfur | ppm | ASTM D5185m | 2060 | 3556 | 3721 | 3359 |
| CONTAMINAN | ITS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 6 | 5 | 5 |
| Sodium | ppm | ASTM D5185m | | 5 | 2 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 0 | 0 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.4 | 0.4 | 0.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 10.9 | 10.2 | 10.2 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 21.2 | 21.0 | 20.3 |
| FLUID DEGRAI | DATION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 17.9 | 17.0 | 16.6 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.8 | 8.81 | 7.83 | 10.21 |
| | | | | | | |



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06223655 Unique Number : 11101852

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0112161

Received **Tested** Diagnosed

: 28 Jun 2024 : 01 Jul 2024

: 01 Jul 2024 - Jonathan Hester

BROWN BUS COMPANY - UPSTATE TRANSIT 50 VENNER ROAD AMSTERDAM, NY US 12010 Contact: CONNIE WILBUR

Test Package : MOB 2 (Additional Tests: KV40) Certificate 12367 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.

cwilbur@browncoach.com T: (518)843-4700

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: BROAMS [WUSCAR] 06223655 (Generated: 07/02/2024 05:19:01) Rev: 1

Contact/Location: CONNIE WILBUR - BROAMS

F: (518)843-3600