



| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area
(89711X) Walgreens - Tractor
Machine Id
[Walgreens - Tractor] 136A67150
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0103650 | PCA0103711 | PCA0093567 |
| Sample Date | | Client Info | | 14 Feb 2024 | 01 Nov 2023 | 07 Aug 2023 |
| Machine Age | mls | Client Info | | 463420 | 442216 | 420468 |
| Oil Age | mls | Client Info | | 28286 | 22216 | 33754 |
| Filter Age | mls | Client Info | | 28286 | 22216 | 33754 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >110 | 5 | 3 | 10 |
| Chromium | ppm | ASTM D5185m | >4 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >2 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 2 | 1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 1 | 2 |
| Lead | ppm | ASTM D5185m | >45 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >85 | 1 | <1 | 2 |
| Tin | ppm | ASTM D5185m | >4 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

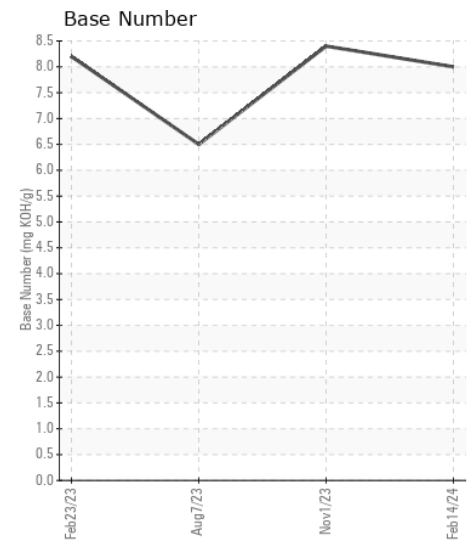
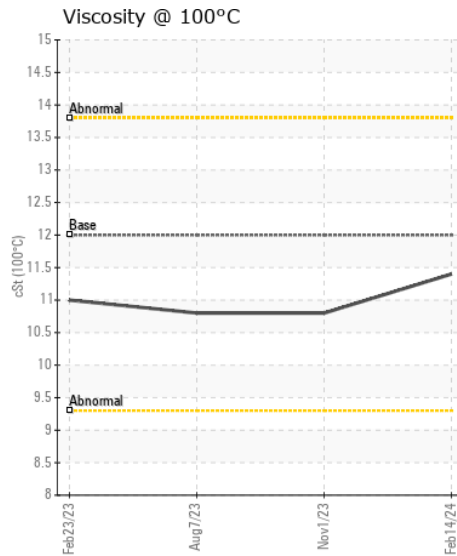
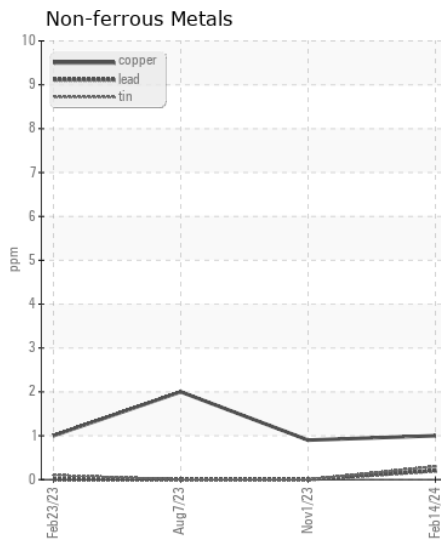
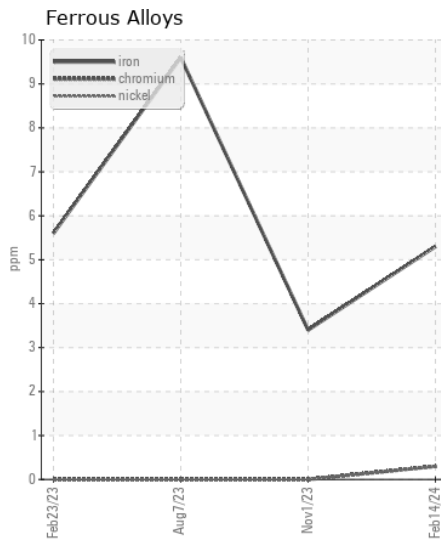
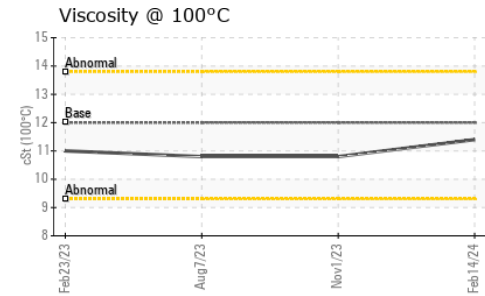
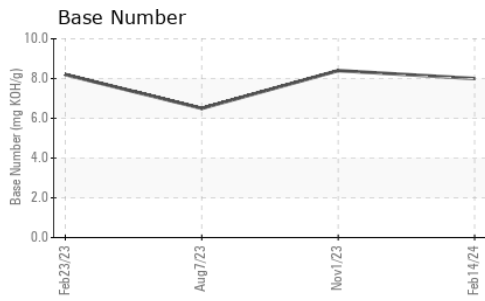
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >30 | 6 | 4 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 1 | 0 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.2 | 0.2 | 0.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.6 | 7.1 | 8.4 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 17.8 | 18.0 | 19.0 |
| 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 |

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.

| | | | | | | |
|------------------|----------|-------------|-------|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 1 | 2 | 2 |
| Boron | ppm | ASTM D5185m | 2 | 4 | 3 | <1 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 50 | 52 | 52 | 57 |
| Manganese | ppm | ASTM D5185m | 0 | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | 950 | 834 | 851 | 878 |
| Calcium | ppm | ASTM D5185m | 1050 | 1263 | 1153 | 1090 |
| Phosphorus | ppm | ASTM D5185m | 995 | 1057 | 926 | 987 |
| Zinc | ppm | ASTM D5185m | 1180 | 1205 | 1224 | 1169 |
| Sulfur | ppm | ASTM D5185m | 2600 | 3644 | 3171 | 3259 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 14.1 | 13.7 | 15.0 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 8.0 | 8.4 | 6.5 |
| Visc @ 100°C | cSt | ASTM D445 | 12.00 | 11.4 | 10.8 | 10.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103650
Lab Number : 06121384
Unique Number : 10930217
Test Package : FLEET
Received : 18 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 19 Mar 2024 - Wes Davis

Transervice - Shop 1365 - Berkeley-Nazareth
 6813 Chrisphalt Drive
 Bath Borough, PA
 US 18014
 Contact: Stephen Mackes
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 T: (610)837-8103
 F: (610)837-8105

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)