



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

Machine Id
26213

Component
Diesel Engine

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

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0116220 | PCA0090265 | PCA0076408 |
| Sample Date | | Client Info | | 15 Feb 2024 | 13 Jan 2023 | 20 Jul 2022 |
| Machine Age | mls | Client Info | | 636523 | 636523 | 636523 |
| Oil Age | mls | Client Info | | 636523 | 636523 | 636523 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >80 | 3 | 3 | 6 |
| Chromium | ppm | ASTM D5185m | >5 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >30 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >30 | 0 | 1 | 1 |
| Copper | ppm | ASTM D5185m | >150 | 1 | <1 | 2 |
| Tin | ppm | ASTM D5185m | >5 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

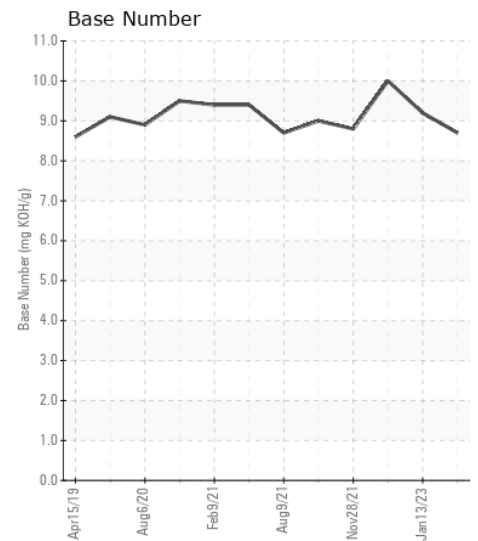
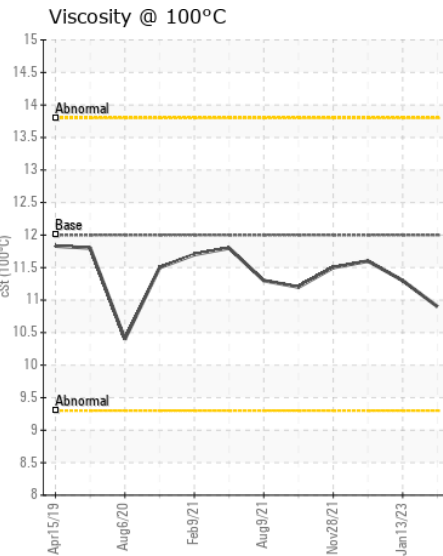
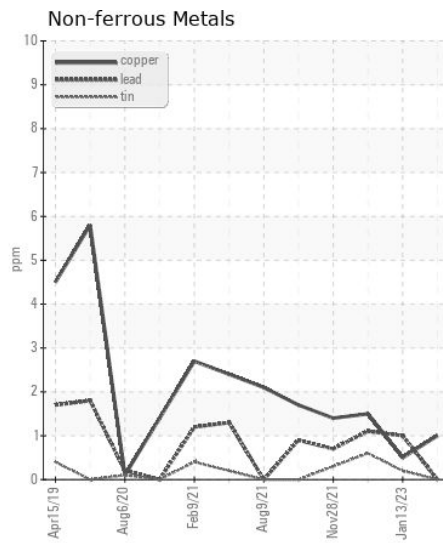
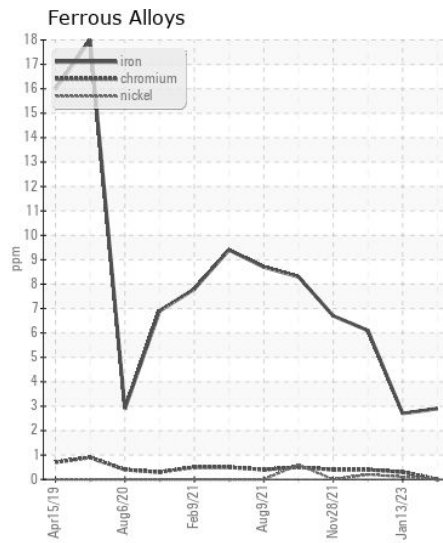
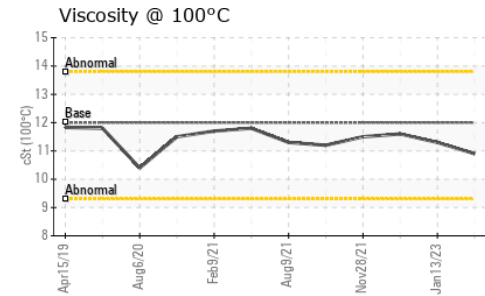
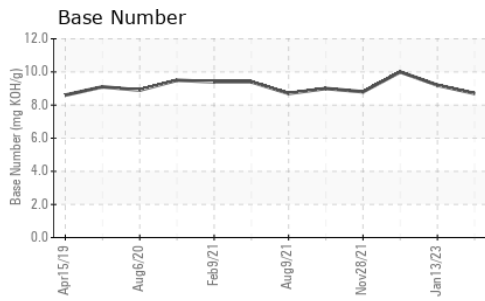
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >20 | 3 | 4 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 3 |
| 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 | 0.1 | 0.3 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 6.1 | 5.3 | 7.1 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 17.8 | 17.2 | 19.6 |
| 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 | <1 | 2 |
| Boron | ppm | ASTM D5185m | 2 | 10 | 11 | 5 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 4 | 0 |
| Molybdenum | ppm | ASTM D5185m | 50 | 58 | 56 | 56 |
| Manganese | ppm | ASTM D5185m | 0 | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 950 | 891 | 827 | 857 |
| Calcium | ppm | ASTM D5185m | 1050 | 1124 | 986 | 1018 |
| Phosphorus | ppm | ASTM D5185m | 995 | 1016 | 914 | 916 |
| Zinc | ppm | ASTM D5185m | 1180 | 1169 | 1127 | 1141 |
| Sulfur | ppm | ASTM D5185m | 2600 | 3112 | 3220 | 2735 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 13.4 | 12.7 | 14.9 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 8.7 | 9.2 | 10.0 |
| Visc @ 100°C | cSt | ASTM D445 | 12.00 | 10.9 | 11.3 | 11.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116220
Lab Number : 06101370
Unique Number : 10899600
Test Package : FLEET

Received : 27 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 28 Feb 2024 - Wes Davis

PERDUE FARMS - DILLON
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 DILLON, SC
 US 29536

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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)