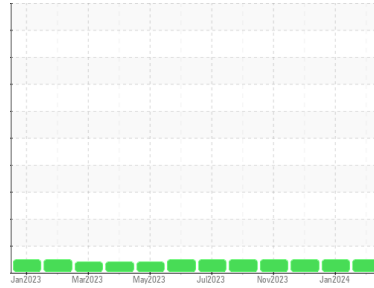


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(TEMP) Walgreens - Yard Horse
 Machine Id
[Walgreens - Yard Horse] 136A81252
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 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.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-----------------|--------|------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | | PCA0105942 | PCA0105867 | PCA0105925 |
| Sample Date | Client Info | | | 15 Feb 2024 | 12 Jan 2024 | 07 Dec 2023 |
| Machine Age | hrs Client Info | | | 7271 | 6802 | 6802 |
| Oil Age | hrs Client Info | | | 200 | 200 | 200 |
| Oil Changed | Client Info | | | Oil Added | Oil Added | Oil Added |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

| CONTAMINATION | | 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 METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----------------|--------|------------|--------------|----------|----------|
| Iron | ppm ASTM D5185m | >100 | | 18 | 6 | 33 |
| Chromium | ppm ASTM D5185m | >20 | | <1 | <1 | <1 |
| Nickel | ppm ASTM D5185m | >4 | | 2 | 0 | 2 |
| Titanium | ppm ASTM D5185m | | | 0 | 0 | 0 |
| Silver | ppm ASTM D5185m | >3 | | 0 | 0 | 0 |
| Aluminum | ppm ASTM D5185m | >20 | | 3 | 1 | 3 |
| Lead | ppm ASTM D5185m | >40 | | <1 | 0 | 0 |
| Copper | ppm ASTM D5185m | >330 | | 3 | <1 | 3 |
| Tin | ppm ASTM D5185m | >15 | | <1 | 0 | 0 |
| Vanadium | ppm ASTM D5185m | | | 0 | <1 | 0 |
| Cadmium | ppm ASTM D5185m | | | 0 | 0 | 0 |

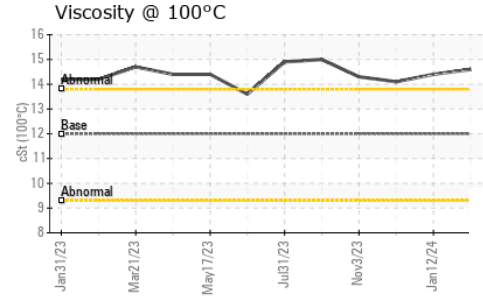
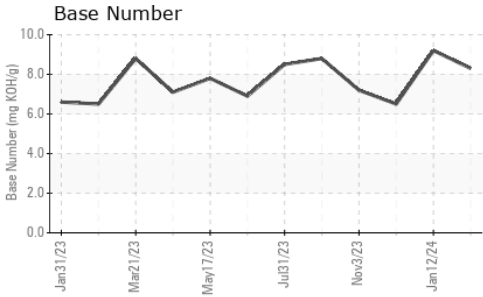
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----------------|--------|------------|--------------|----------|----------|
| Boron | ppm ASTM D5185m | 2 | | <1 | 0 | 2 |
| Barium | ppm ASTM D5185m | 0 | | 0 | 0 | <1 |
| Molybdenum | ppm ASTM D5185m | 50 | | 63 | 54 | 64 |
| Manganese | ppm ASTM D5185m | 0 | | <1 | 0 | <1 |
| Magnesium | ppm ASTM D5185m | 950 | | 1008 | 968 | 1009 |
| Calcium | ppm ASTM D5185m | 1050 | | 1103 | 964 | 1084 |
| Phosphorus | ppm ASTM D5185m | 995 | | 1100 | 1034 | 1151 |
| Zinc | ppm ASTM D5185m | 1180 | | 1298 | 1245 | 1353 |
| Sulfur | ppm ASTM D5185m | 2600 | | 3388 | 3138 | 3055 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----------------|--------|------------|----------|----------|----------|
| Silicon | ppm ASTM D5185m | >25 | | 6 | 3 | 9 |
| Sodium | ppm ASTM D5185m | | | 2 | <1 | 5 |
| Potassium | ppm ASTM D5185m | >20 | | 3 | 1 | 0 |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|----------------------|--------|------------|-------------|----------|----------|
| Soot % | % *ASTM D7844 | >3 | | 0.7 | 0.4 | 1.6 |
| Nitration | Abs/cm *ASTM D7624 | >20 | | 9.2 | 6.9 | 11.7 |
| Sulfation | Abs/.1mm *ASTM D7415 | >30 | | 19.6 | 18.9 | 23.2 |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------------------|--------|------------|-------------|----------|----------|
| Oxidation | Abs/.1mm *ASTM D7414 | >25 | | 16.6 | 14.7 | 20.7 |
| Base Number (BN) | mg KOH/g ASTM D2896 | | | 8.3 | 9.2 | 6.5 |

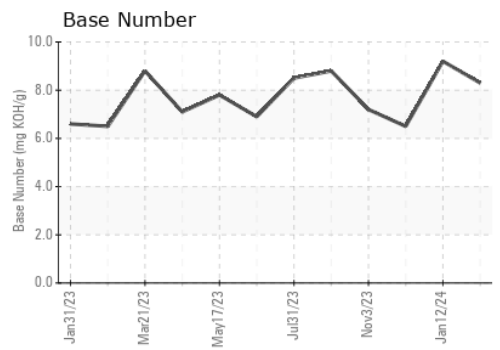
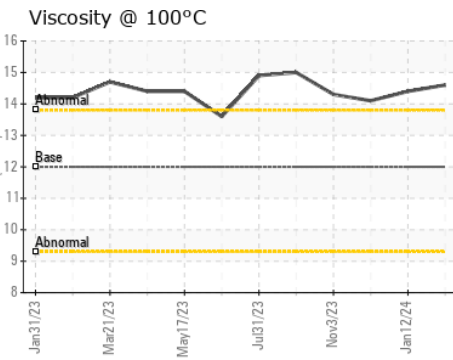
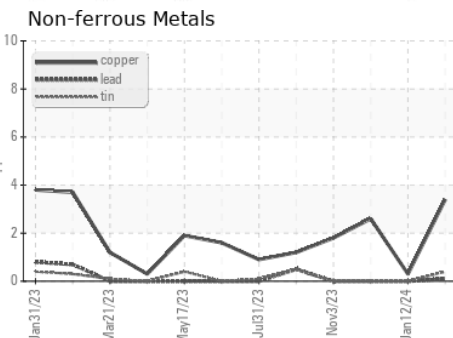
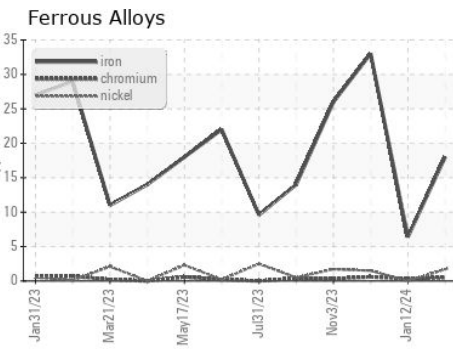
OIL ANALYSIS REPORT



| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|-------------|----------|------|
| Visc @ 100°C | cSt | ASTM D445 | 12.00 | 14.6 | 14.4 | 14.1 |

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105942 **Received** : 18 Mar 2024
Lab Number : **06120706** **Tested** : 19 Mar 2024
Unique Number : 10929539 **Diagnosed** : 20 Mar 2024 - Sean Felton
Test Package : FLEET

Transervice - Shop 1361 - Berkeley-Windsor
 4400 State Road 19
 Windsor, WI
 US 53598
 Contact: Mike Hurda
 mhurda@transervice.com
 T: (608)846-2726
 F: (608)846-0389

Certificate L2367
 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)