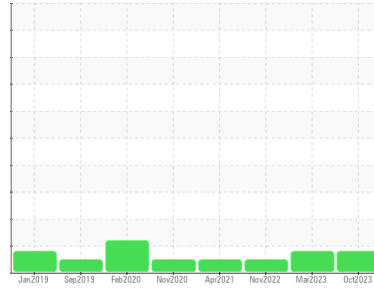


PROBLEM SUMMARY

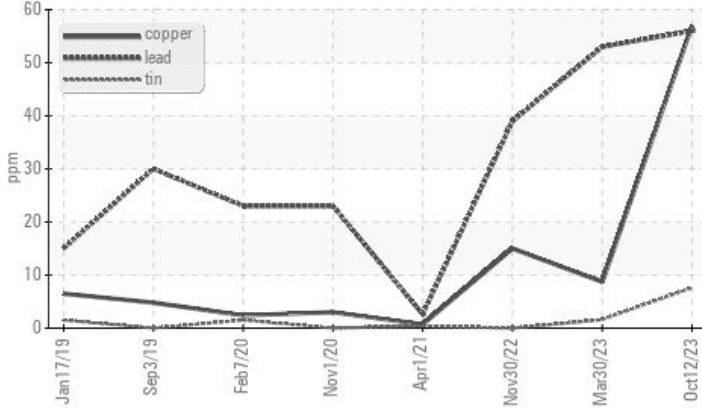
Sample Rating Trend



Machine Id
26679
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |
|---------------|-----|-------------|-----|----------|----------|--------|
| Lead | ppm | ASTM D5185m | >40 | ▲ 56 | ▲ 53 | 39 |

Customer Id: PERACCPA
 Sample No.: PCA0105966
 Lab Number: 05986203
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

30 Mar 2023 Diag: Angela Borella

WEAR



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The lead level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



30 Nov 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



01 Apr 2021 Diag: Wes Davis

NORMAL



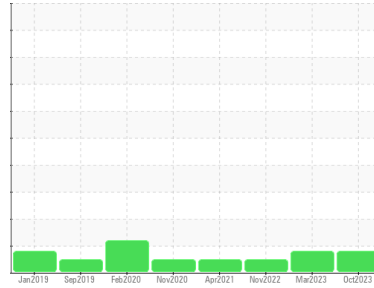
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
26679
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- QTS)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

The lead level is abnormal. All other 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 | | | PCA0105966 | PCA0093673 | PCA0082250 |
| Sample Date | Client Info | | | 12 Oct 2023 | 30 Mar 2023 | 30 Nov 2022 |
| Machine Age | mls Client Info | | | 372571 | 358395 | 342041 |
| Oil Age | mls Client Info | | | 14176 | 38791 | 22437 |
| Oil Changed | Client Info | | | Not Changed | Changed | Not Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|----------------|----------|----------|
| Fuel | WC Method | >5 | | <1.0 | <1.0 | <1.0 |
| Glycol | WC Method | | | NEG | NEG | NEG |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|-------------|----------|----------|
| Iron | ppm | ASTM D5185m | >100 | 70 | 52 | 39 |
| Chromium | ppm | ASTM D5185m | >20 | 2 | 3 | 3 |
| Nickel | ppm | ASTM D5185m | >4 | 2 | 1 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 10 | 3 | 2 |
| Lead | ppm | ASTM D5185m | >40 | ▲ 56 | ▲ 53 | 39 |
| Copper | ppm | ASTM D5185m | >330 | 57 | 9 | 15 |
| Tin | ppm | ASTM D5185m | >15 | 8 | 2 | 0 |
| Antimony | ppm | ASTM D5185m | | --- | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|-------------|----------|----------|
| Boron | ppm | ASTM D5185m | 2 | 14 | 8 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 50 | 73 | 77 | 79 |
| Manganese | ppm | ASTM D5185m | 0 | 1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 950 | 1070 | 1188 | 1208 |
| Calcium | ppm | ASTM D5185m | 1050 | 1378 | 1413 | 1575 |
| Phosphorus | ppm | ASTM D5185m | 995 | 1316 | 1243 | 1251 |
| Zinc | ppm | ASTM D5185m | 1180 | 1502 | 1560 | 1562 |
| Sulfur | ppm | ASTM D5185m | 2600 | 4194 | 3580 | 4004 |

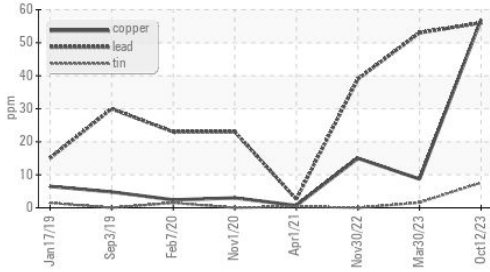
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m | >25 | 8 | 7 | 9 |
| Sodium | ppm | ASTM D5185m | | 17 | 24 | 22 |
| Potassium | ppm | ASTM D5185m | >20 | 22 | 24 | 26 |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|----------|-------------|------------|-------------|----------|----------|
| Soot % | % | *ASTM D7844 | >3 | 0.4 | 0.5 | 0.7 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 10.1 | 13.8 | 16.9 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 24.8 | 30.6 | 36.9 |

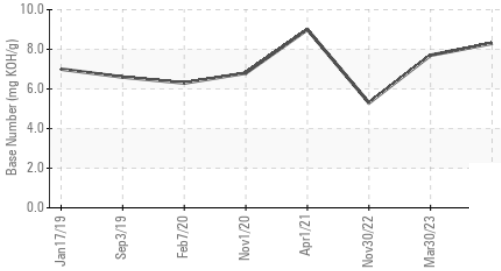
| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-------------|------------|-------------|----------|----------|
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 20.7 | 29.2 | 36.9 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 8.3 | 7.7 | 5.3 |

OIL ANALYSIS REPORT

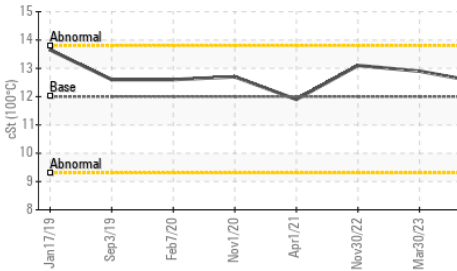
▲ Non-ferrous Metals



Base Number



Viscosity @ 100°C

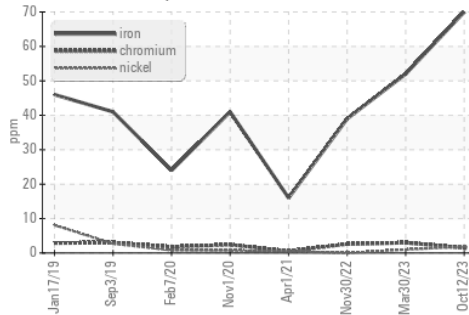


| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE |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

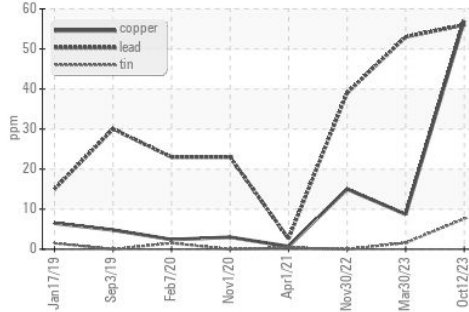
| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 100°C | cSt | ASTM D445 | 12.00 | 12.5 | 12.9 |

GRAPHS

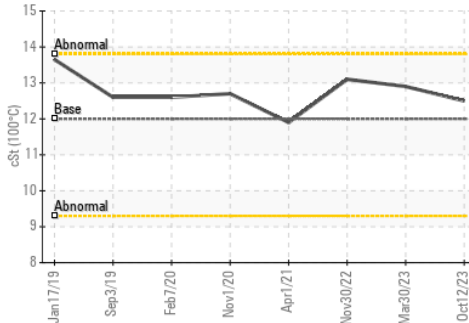
Ferrous Alloys



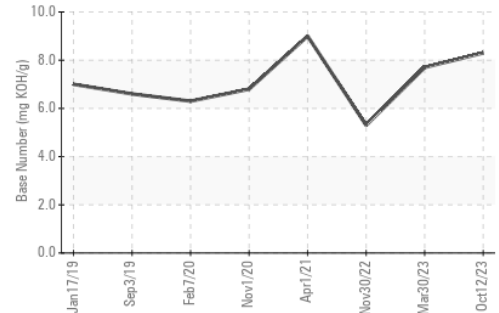
▲ Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105966 **Received** : 23 Oct 2023
Lab Number : 05986203 **Diagnosed** : 25 Oct 2023
Unique Number : 10708865 **Diagnostician** : Don Baldrige
Test Package : FLEET

PERDUE FARMS - ACCOMAC
 22520 LANKFORD HWY
 ACCOMAC, VA
 US 23301
 Contact: PEGGY KIMES
 peggy.kimes@perdue.com
 T: (757)787-5304
 F: (757)787-5208

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)