



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

Area

(2847747) Dairy Farms of America-Tractor

Machine Id

[Dairy Farms of America-Tractor] 268A23315

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 | | PCA0108292 | --- | --- |
| Sample Date | | Client Info | | 22 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 748800 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185m | >100 | 59 | --- | --- |
| Chromium | ppm | ASTM D5185m | >20 | 3 | --- | --- |
| Nickel | ppm | ASTM D5185m | >4 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | >3 | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 11 | --- | --- |
| Lead | ppm | ASTM D5185m | >40 | 17 | --- | --- |
| Copper | ppm | ASTM D5185m | >330 | 3 | --- | --- |
| Tin | ppm | ASTM D5185m | >15 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

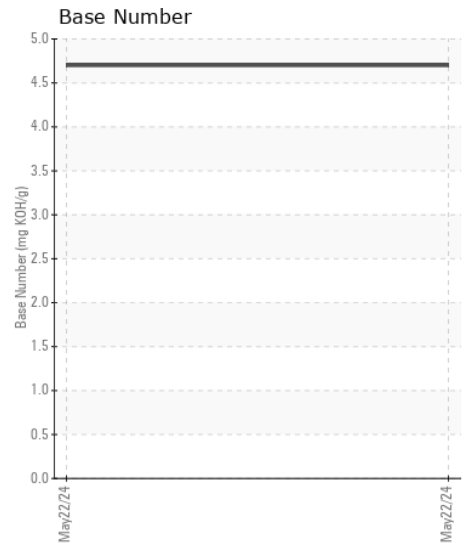
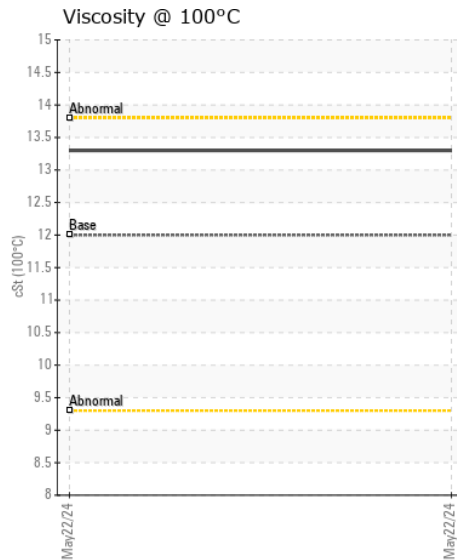
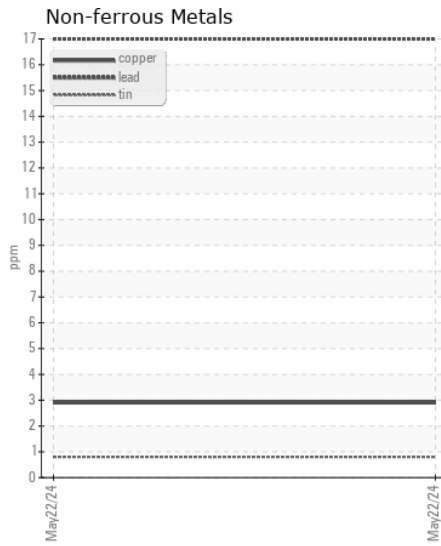
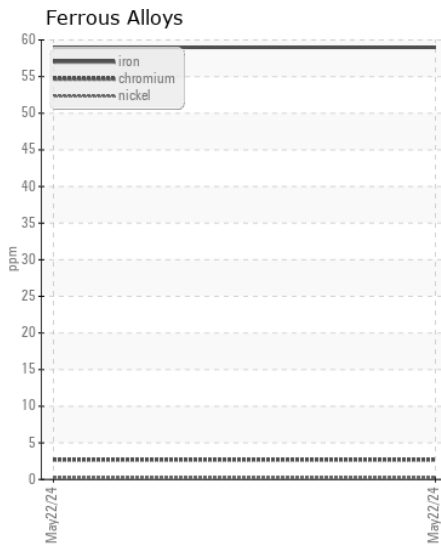
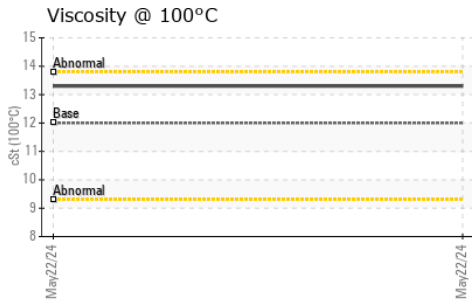
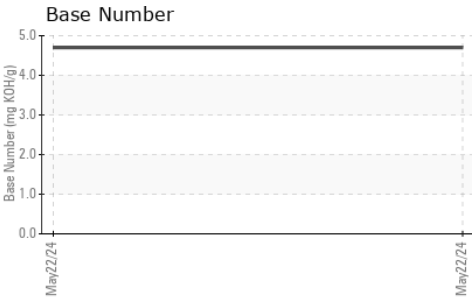
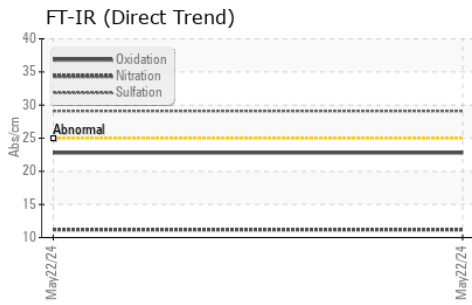
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >25 | 6 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Fuel | | WC Method | >2.0 | <1.0 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | *ASTM D7844 | >3 | 1.3 | --- | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 11.2 | --- | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 29.1 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|-------------|-------|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 4 | --- | --- |
| Boron | ppm | ASTM D5185m | 2 | 41 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 50 | 90 | --- | --- |
| Manganese | ppm | ASTM D5185m | 0 | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 950 | 483 | --- | --- |
| Calcium | ppm | ASTM D5185m | 1050 | 1395 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 995 | 833 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1180 | 975 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 2600 | 2774 | --- | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 22.8 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 4.7 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | 12.00 | 13.3 | --- | --- |



Certificate L2367

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

Sample No. : PCA0108292

Lab Number : 06196109

Unique Number : 11058232

Test Package : FLEET

Received : 30 May 2024

Tested : 31 May 2024

Diagnosed : 02 Jun 2024 - Don Baldrige

Transervice - Shop 2680 - LeMars

1330 12th Ave SW

LeMars, IA

US 51031

Contact: Stacey Rabey

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T: (712)501-9908

F:

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)