



PacLease

OIL ANALYSIS REPORT

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

Machine Id
FORD 846-4523
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0019320 | RPL0017391 | RPL0015805 |
| Sample Date | | Client Info | | 16 Apr 2024 | 16 Jan 2024 | 19 Oct 2023 |
| Machine Age | mls | Client Info | | 104434 | 94400 | 87811 |
| Oil Age | mls | Client Info | | 10032 | 11185 | 4596 |
| Filter Age | mls | Client Info | | 10032 | 11182 | 4596 |
| Oil Changed | | Client Info | | Changed | Changed | Filtered |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 35 | 36 | 13 |
| Chromium | ppm | ASTM D5185m | >20 | 0 | 1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | >2 | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 4 | 2 | <1 |
| Lead | ppm | ASTM D5185m | >40 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 0 | 1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

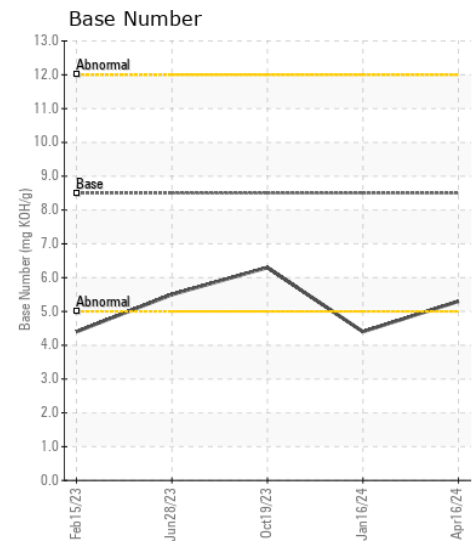
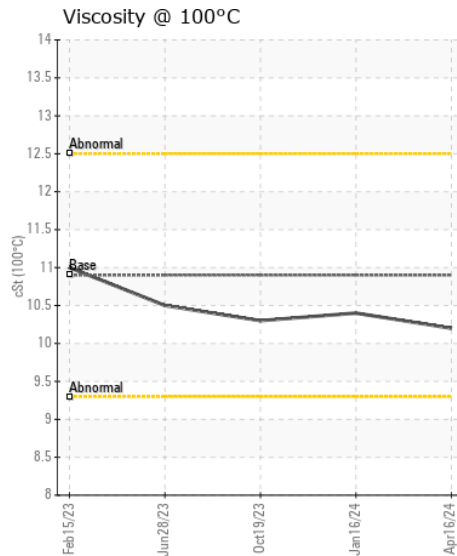
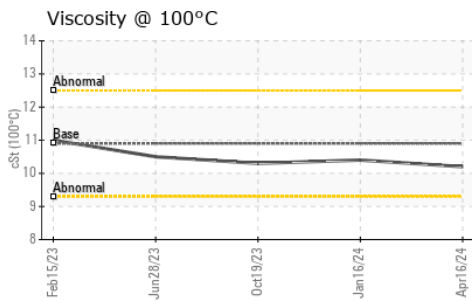
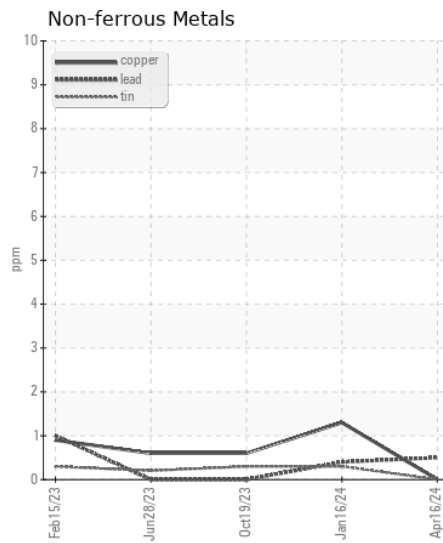
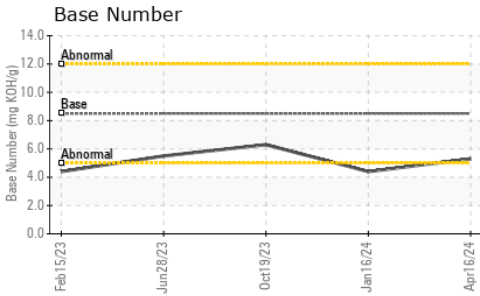
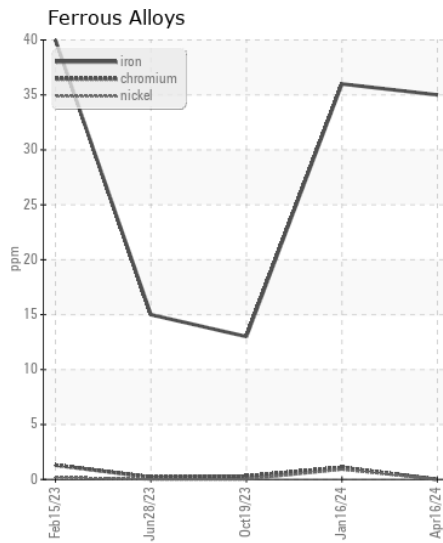
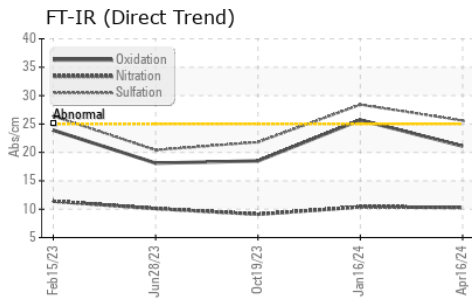
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 10 | 11 | 8 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 4 | 1 |
| 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 | 0.4 | 0.3 | 0.2 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 10.3 | 10.4 | 9.1 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 25.6 | 28.4 | 21.8 |
| 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 | | 2 | 0 | 5 |
| Boron | ppm | ASTM D5185m | 250 | 22 | 20 | 43 |
| Barium | ppm | ASTM D5185m | 10 | 0 | 0 | 20 |
| Molybdenum | ppm | ASTM D5185m | 100 | 4 | 14 | 15 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 450 | 676 | 626 | 547 |
| Calcium | ppm | ASTM D5185m | 3000 | 1267 | 1272 | 1254 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 1017 | 964 | 950 |
| Zinc | ppm | ASTM D5185m | 1350 | 1132 | 1213 | 1065 |
| Sulfur | ppm | ASTM D5185m | 4250 | 3807 | 3353 | 4281 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 21.1 | 25.7 | 18.5 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 5.3 | 4.4 | 6.3 |
| Visc @ 100°C | cSt | ASTM D445 | 10.9 | 10.2 | 10.4 | 10.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019320
Lab Number : 06175321
Unique Number : 11021374
Test Package : FLEET

Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 13 May 2024 - Wes Davis

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660

Contact: GERARDO CARROLA
 carrolag@rushenterprises.com

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)

T:
F: