



OIL ANALYSIS REPORT

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

Area
(00000)
Machine Id
Component
PETERBILT 846-4309
Fluid
MOBIL DELVAC 1300 SUPER15W40 (22 GAL)

RECOMMENDATION

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0019346 | RPL0019386 | RPL0011923 |
| Sample Date | | Client Info | | 24 Apr 2024 | 28 Mar 2024 | 26 May 2023 |
| Machine Age | mls | Client Info | | 244180 | 241817 | 204208 |
| Oil Age | mls | Client Info | | 0 | 28709 | 204208 |
| Filter Age | mls | Client Info | | 0 | 28709 | 204208 |
| Oil Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Sample Status | | | | ABNORMAL | SEVERE | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 14 | 35 | 11 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 2 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >3 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 6 | 12 | 8 |
| Lead | ppm | ASTM D5185m | >40 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 1 | 2 | <1 |
| Tin | ppm | ASTM D5185m | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

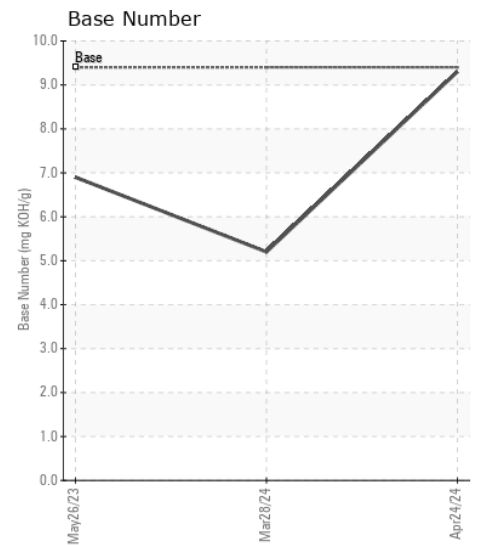
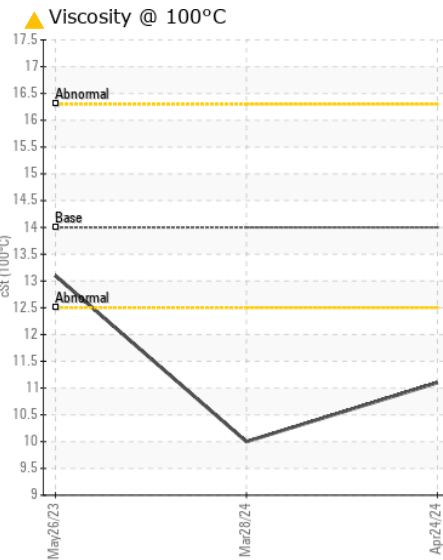
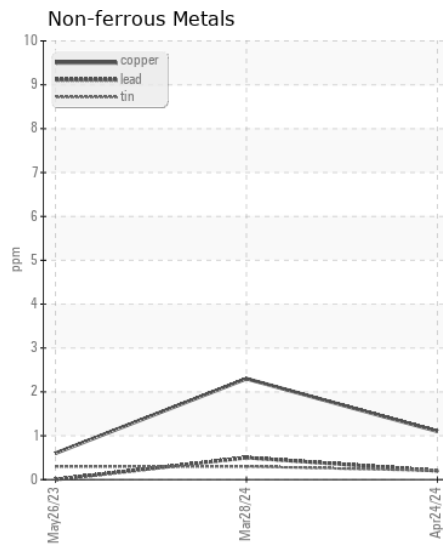
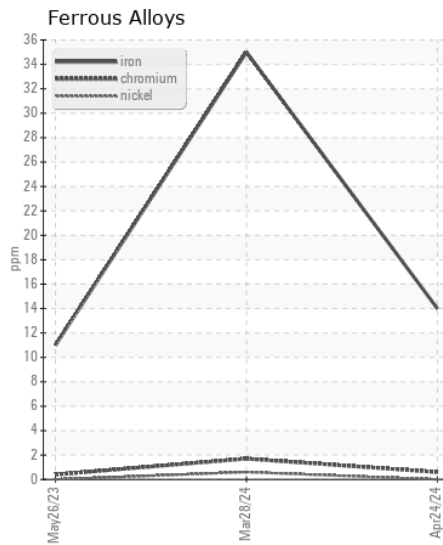
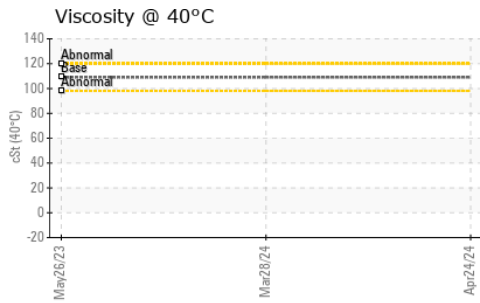
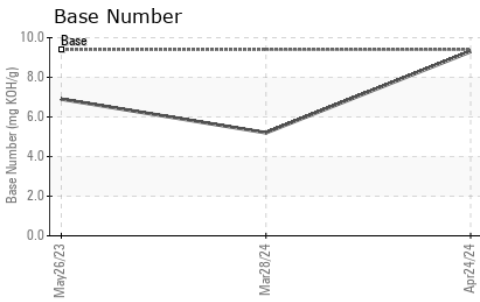
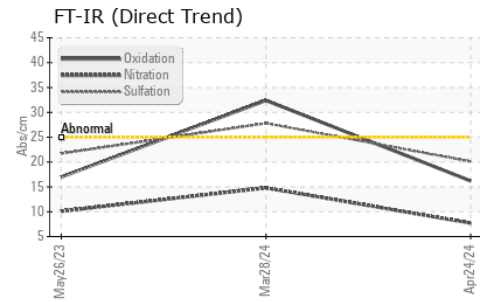
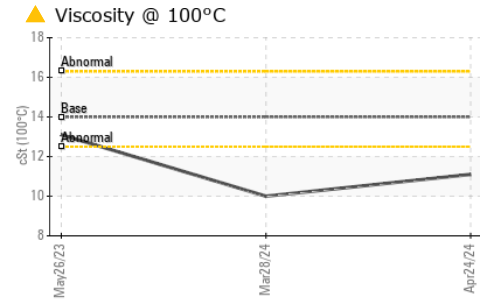
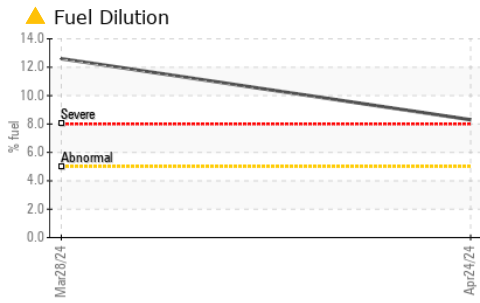
There is a high amount of fuel present in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|--------------|--------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 5 | 10 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 7 | 16 | 11 |
| Fuel | % | ASTM D3524 | >5 | ▲ 8.3 | ▲ 12.6 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.4 | 1 | 0.1 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.7 | 14.8 | 10.1 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 20.1 | 27.8 | 21.7 |
| 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

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

| | | | | | | |
|------------------|----------|-------------|-----|---------------|--------|------|
| Sodium | ppm | ASTM D5185m | | 3 | 4 | 2 |
| Boron | ppm | ASTM D5185m | 0 | 2 | 22 | 62 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 54 | 37 | <1 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 867 | 552 | 824 |
| Calcium | ppm | ASTM D5185m | | 1063 | 1724 | 1497 |
| Phosphorus | ppm | ASTM D5185m | | 1091 | 768 | 802 |
| Zinc | ppm | ASTM D5185m | | 1151 | 901 | 926 |
| Sulfur | ppm | ASTM D5185m | | 3368 | 2446 | 3841 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 16.2 | 32.4 | 17.0 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 9.3 | 5.2 | 6.9 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | ▲ 11.1 | ▲ 10.0 | 13.1 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019346
Lab Number : 06185856
Unique Number : 11042608
Test Package : FLEET (Additional Tests: KV40, PercentFuel)

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: