



OIL ANALYSIS REPORT

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

Machine Id
PETERBILT 8464699
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0019254 | RPL0016877 | RPL0015061 |
| Sample Date | | Client Info | | 15 Apr 2024 | 12 Jan 2024 | 10 Oct 2023 |
| Machine Age | mls | Client Info | | 24469 | 22864 | 22073 |
| Oil Age | mls | Client Info | | 22864 | 22864 | 22073 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

Metal levels are typical for a new component breaking in.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >110 | 14 | 61 | 36 |
| Chromium | ppm | ASTM D5185m | >4 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | 7 | 18 |
| Lead | ppm | ASTM D5185m | >45 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >85 | 2 | 10 | ▲ 329 |
| Tin | ppm | ASTM D5185m | >4 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

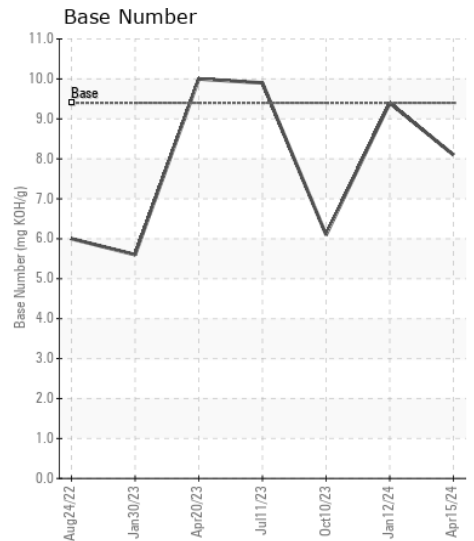
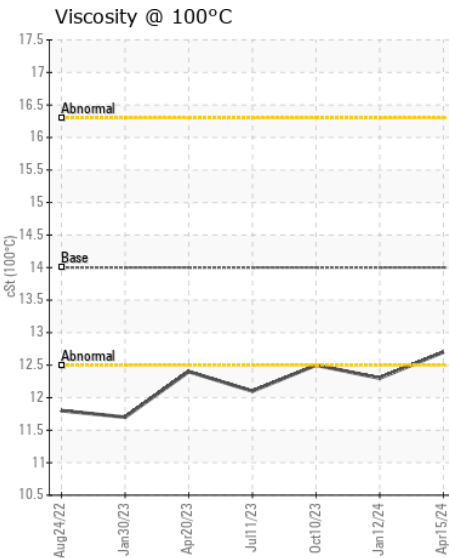
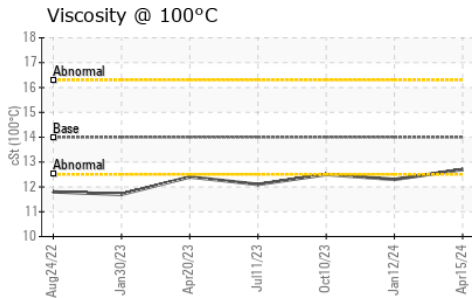
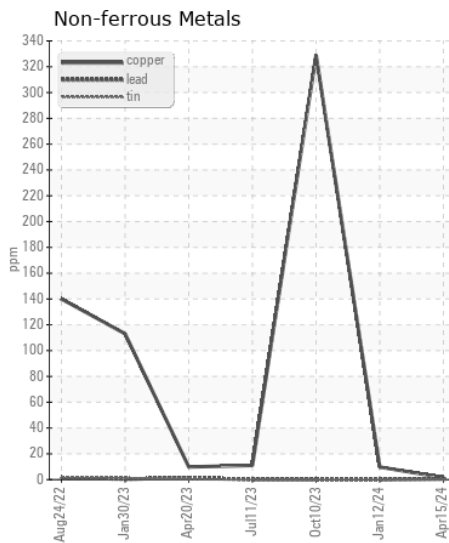
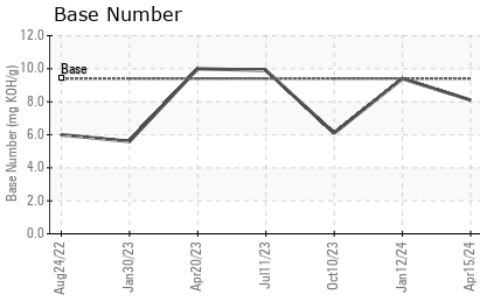
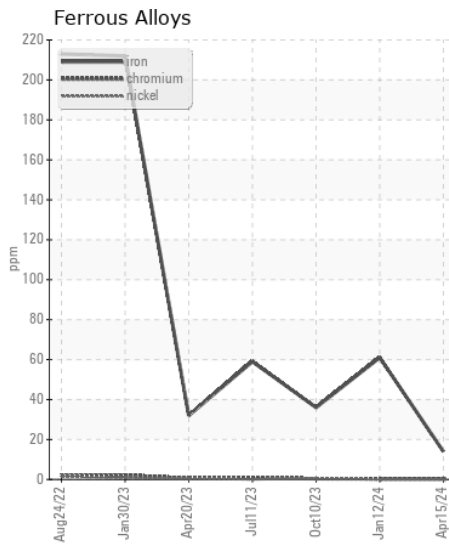
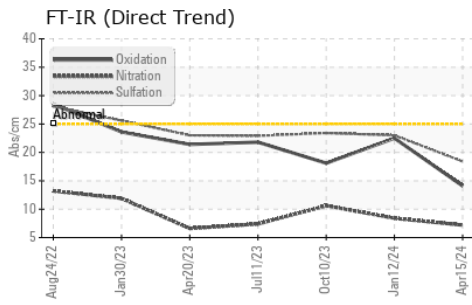
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >30 | 6 | 9 | 9 |
| Potassium | ppm | ASTM D5185m | >20 | 10 | 12 | 50 |
| 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 | 0.1 | 0.3 | 0.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.2 | 8.4 | 10.6 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 18.4 | 23.0 | 23.4 |
| 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 | 2 | 3 |
| Boron | ppm | ASTM D5185m | 0 | 78 | 51 | 25 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 6 | 41 | 2 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 683 | 501 | 683 |
| Calcium | ppm | ASTM D5185m | | 1362 | 1657 | 1330 |
| Phosphorus | ppm | ASTM D5185m | | 707 | 763 | 706 |
| Zinc | ppm | ASTM D5185m | | 830 | 879 | 835 |
| Sulfur | ppm | ASTM D5185m | | 3343 | 2798 | 2957 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 14.1 | 22.5 | 18.1 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 8.1 | 9.4 | 6.1 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 12.7 | 12.3 | 12.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019254
Lab Number : 06225865
Unique Number : 11109358
Test Package : FLEET
Received : 02 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 03 Jul 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)

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