



PacLease

OIL ANALYSIS REPORT

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

Machine Id
PETERBILT 8464591
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0020424 | RPL0017618 | RPL0009588 |
| Sample Date | | Client Info | | 09 May 2024 | 29 Feb 2024 | 20 Jan 2023 |
| Machine Age | mls | Client Info | | 309350 | 295549 | 214592 |
| Oil Age | mls | Client Info | | 214592 | 214592 | 0 |
| Filter Age | mls | Client Info | | 248619 | 248619 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >110 | 42 | 27 | 13 |
| Chromium | ppm | ASTM D5185m | >4 | 3 | 2 | 1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 6 | 4 | 3 |
| Lead | ppm | ASTM D5185m | >45 | 16 | 9 | 2 |
| Copper | ppm | ASTM D5185m | >85 | 4 | 2 | 1 |
| Tin | ppm | ASTM D5185m | >4 | 2 | <1 | 1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

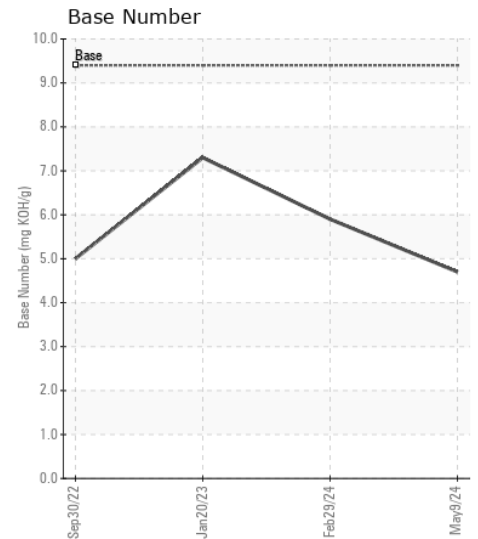
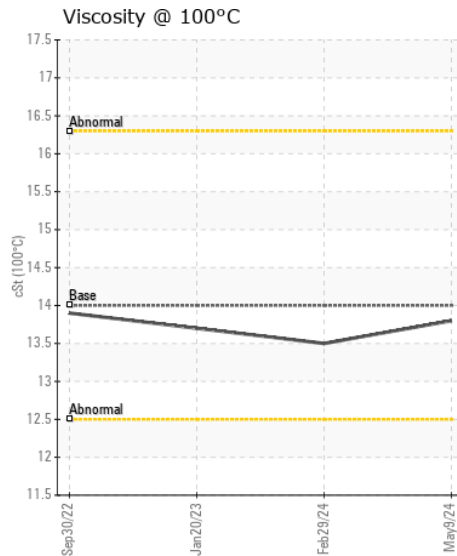
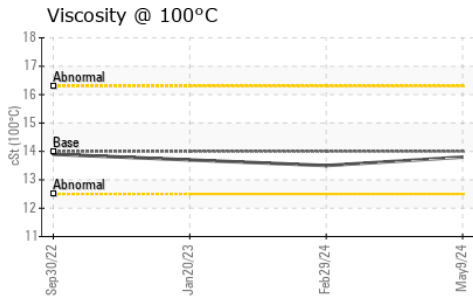
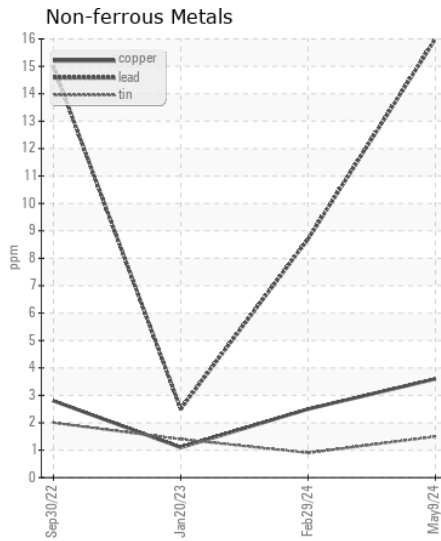
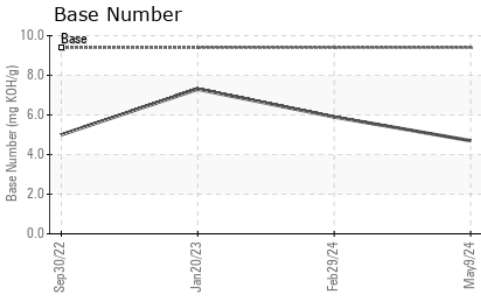
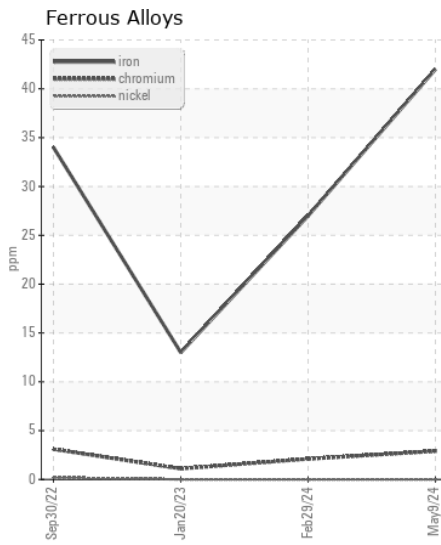
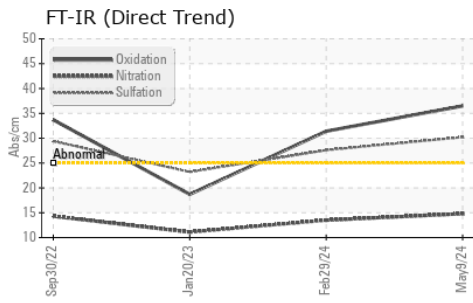
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >30 | 9 | 9 | 7 |
| Potassium | ppm | ASTM D5185m | >20 | 6 | 4 | 3 |
| 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 | 1 | 0.7 | 0.7 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 14.8 | 13.5 | 11.1 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 30.2 | 27.6 | 23.2 |
| 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 | | 3 | 3 | 2 |
| Boron | ppm | ASTM D5185m | 0 | 17 | 20 | 37 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 39 | 38 | 4 |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 559 | 550 | 670 |
| Calcium | ppm | ASTM D5185m | | 1809 | 1783 | 1326 |
| Phosphorus | ppm | ASTM D5185m | | 760 | 722 | 649 |
| Zinc | ppm | ASTM D5185m | | 952 | 933 | 804 |
| Sulfur | ppm | ASTM D5185m | | 2577 | 2578 | 3336 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 36.5 | ▲ 31.4 | 18.7 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 4.7 | 5.9 | 7.3 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 13.8 | 13.5 | 13.7 |



Certificate L2367

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

Sample No. : RPL0020424

Lab Number : 06225901

Unique Number : 11109394

Test Package : FLEET

Received : 02 Jul 2024

Tested : 03 Jul 2024

Diagnosed : 03 Jul 2024 - Angela Borella

RTL PACLEASE - 7006 - Pico Rivera

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Pico Rivera, CA

US 90660

Contact: GERARDO CARROLA

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T:

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)