



OIL ANALYSIS REPORT

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

Machine Id
PACCAR 8464550
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

RECOMMENDATION

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0020399 | RPL0017550 | RPL0015850 |
| Sample Date | | Client Info | | 15 May 2024 | 20 Jan 2024 | 20 Oct 2023 |
| Machine Age | mls | Client Info | | 83042 | 75441 | 70140 |
| Oil Age | mls | Client Info | | 18073 | 10472 | 5171 |
| Filter Age | mls | Client Info | | 18073 | 10472 | 5171 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 51 | 27 | 18 |
| Chromium | ppm | ASTM D5185m | >20 | 2 | 1 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | 1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >3 | 2 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 18 | 8 | 6 |
| Lead | ppm | ASTM D5185m | >40 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 17 | 12 | 7 |
| Tin | ppm | ASTM D5185m | >15 | 2 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

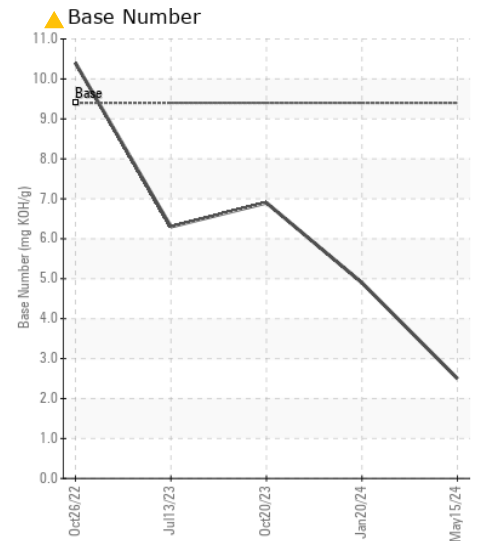
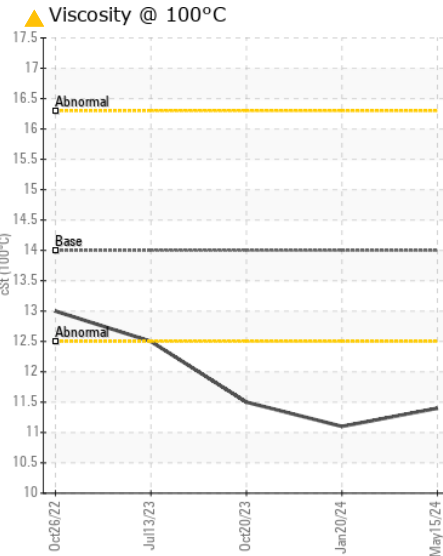
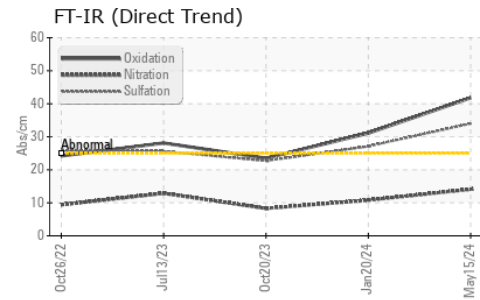
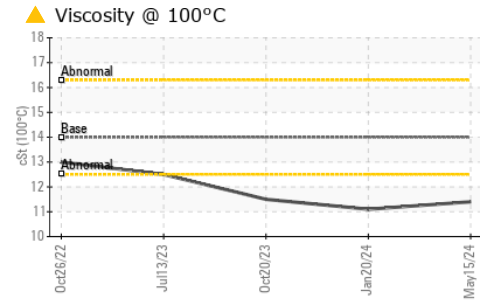
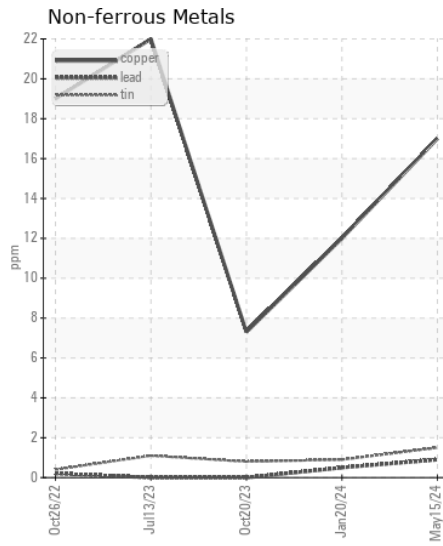
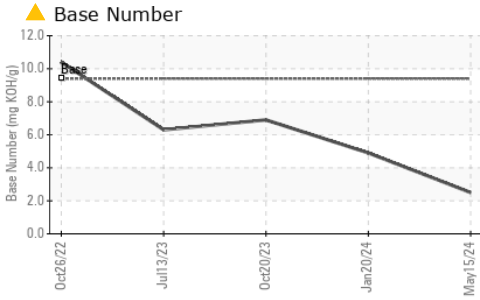
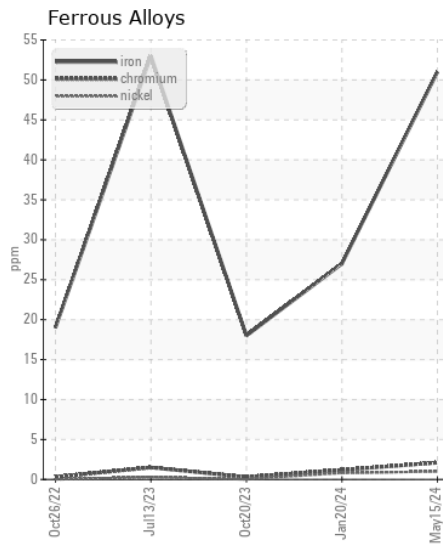
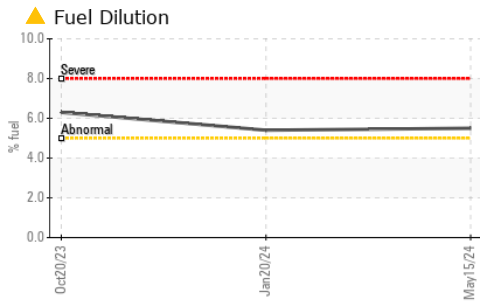
There is a moderate amount of fuel present in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 8 | 6 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 36 | 18 | 14 |
| Fuel | % | ASTM D3524 | >5 | ▲ 5.5 | ▲ 5.4 | ▲ 6.3 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.5 | 0.3 | 0.3 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 14.1 | 10.8 | 8.3 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 34.0 | 27.1 | 22.7 |
| 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 level is low.

| | | | | | | |
|------------------|----------|-------------|-----|---------------|--------|--------|
| Sodium | ppm | ASTM D5185m | | 3 | 0 | 4 |
| Boron | ppm | ASTM D5185m | 0 | 3 | 3 | 4 |
| Barium | ppm | ASTM D5185m | 0 | <1 | 0 | 20 |
| Molybdenum | ppm | ASTM D5185m | 0 | 55 | 52 | 53 |
| Manganese | ppm | ASTM D5185m | | 2 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 814 | 799 | 761 |
| Calcium | ppm | ASTM D5185m | | 1130 | 1033 | 985 |
| Phosphorus | ppm | ASTM D5185m | | 826 | 823 | 870 |
| Zinc | ppm | ASTM D5185m | | 1084 | 1086 | 1024 |
| Sulfur | ppm | ASTM D5185m | | 2679 | 2784 | 3588 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 41.8 | 31.1 | 23.5 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | ▲ 2.5 | 4.9 | 6.9 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | ▲ 11.4 | ▲ 11.1 | ▲ 11.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0020399
Lab Number : 06191918
Unique Number : 11048670
Test Package : FLEET (Additional Tests: PercentFuel)

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: GERARDO CARROLA
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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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