



OIL ANALYSIS REPORT

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

Machine Id
PETERBILT 9571508
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (45 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0015915 | RPL0015927 | RPL0010308 |
| Sample Date | | Client Info | | 14 May 2024 | 22 Jan 2024 | 09 Aug 2023 |
| Machine Age | mls | Client Info | | 112531 | 100834 | 5393 |
| Oil Age | mls | Client Info | | 100837 | 6500 | 0 |
| Filter Age | mls | Client Info | | 100837 | 6500 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | N/A |
| Filter Changed | | Client Info | | Changed | Changed | N/A |
| Sample Status | | | | NORMAL | MARGINAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >90 | 27 | 29 | 21 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | >2 | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 4 | 3 | 0 |
| Lead | ppm | ASTM D5185m | >40 | 2 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >330 | 0 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

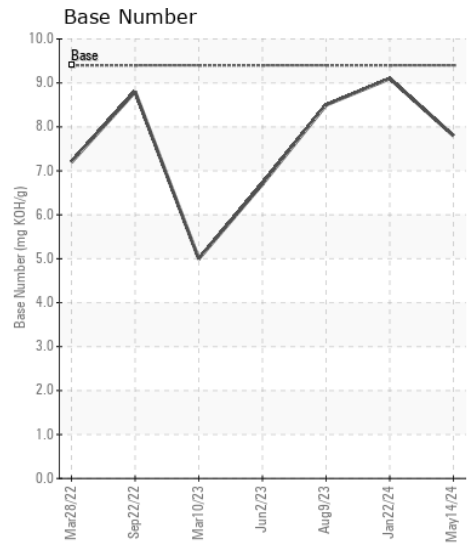
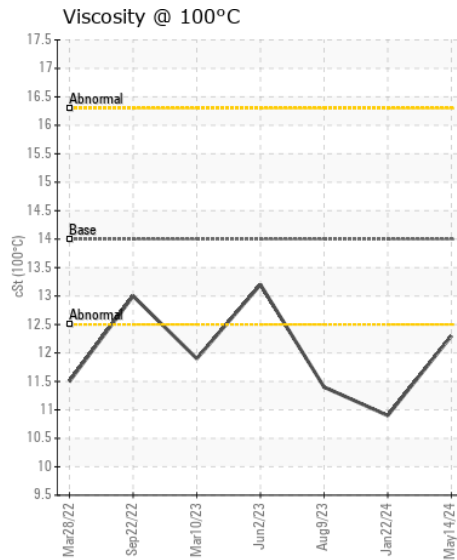
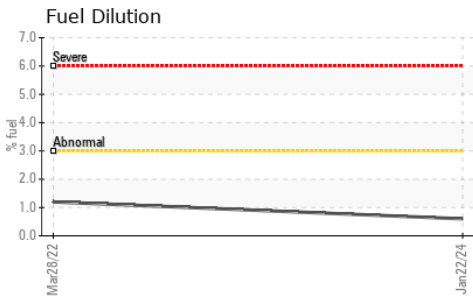
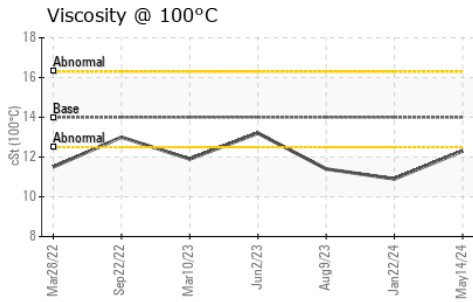
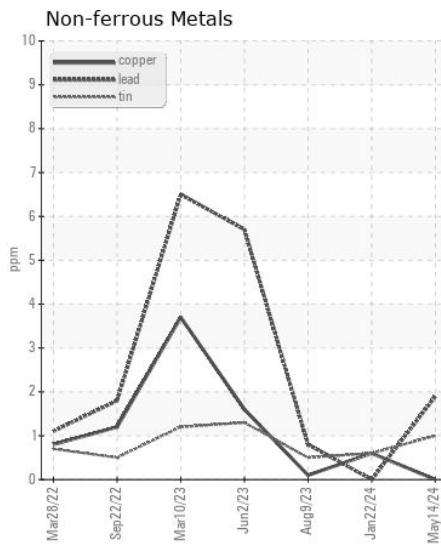
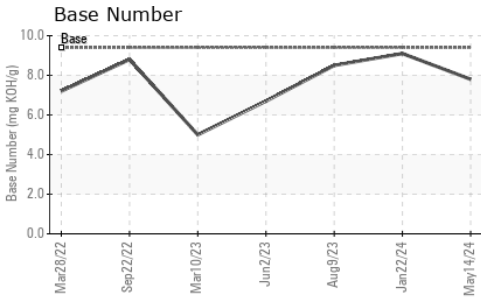
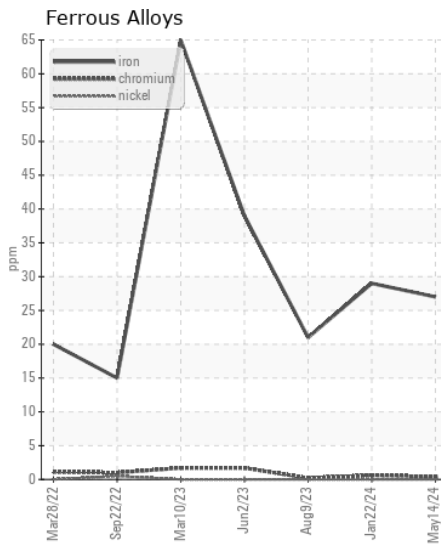
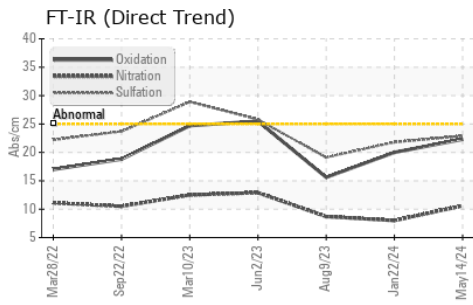
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 7 | 2 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 5 | 2 | 10 |
| Fuel | % | ASTM D3524 | >3.0 | <1.0 | 0.6 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >6 | 0.7 | 0.3 | 0.2 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 10.6 | 8.0 | 8.7 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 22.9 | 21.8 | 19.1 |
| 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 | 2 |
| Boron | ppm | ASTM D5185m | 0 | 32 | 44 | 64 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 52 | 44 | 24 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 534 | 489 | 675 |
| Calcium | ppm | ASTM D5185m | | 1599 | 1560 | 1594 |
| Phosphorus | ppm | ASTM D5185m | | 766 | 709 | 770 |
| Zinc | ppm | ASTM D5185m | | 902 | 830 | 924 |
| Sulfur | ppm | ASTM D5185m | | 2727 | 2278 | 3474 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 22.3 | 20.0 | 15.6 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 7.8 | 9.1 | 8.5 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 12.3 | ▲ 10.9 | 11.4 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0015915 **Received** : 21 May 2024
Lab Number : 06186996 **Tested** : 24 May 2024
Unique Number : 11043748 **Diagnosed** : 24 May 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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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)