



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area
{UNASSIGNED}
Machine Id
PETERBILT 846-4494

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 | | RPL0017556 | RPL0015821 | RPL0013413 |
| Sample Date | | Client Info | | 24 Jan 2024 | 24 Oct 2023 | 12 Jul 2023 |
| Machine Age | mls | Client Info | | 91375 | 86999 | 83621 |
| Oil Age | mls | Client Info | | 4376 | 15697 | 83621 |
| Filter Age | mls | Client Info | | 0 | 15697 | 0 |
| Oil Changed | | Client Info | | Not Chngd | Changed | N/A |
| Filter Changed | | Client Info | | Changed | Changed | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >110 | 9 | 29 | 20 |
| Chromium | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 4 | 12 | 11 |
| Lead | ppm | ASTM D5185m | >45 | <1 | 1 | 0 |
| Copper | ppm | ASTM D5185m | >85 | 2 | 5 | 3 |
| Tin | ppm | ASTM D5185m | >4 | <1 | 0 | <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

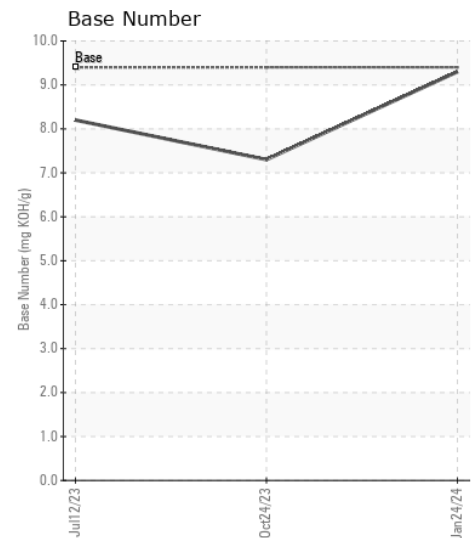
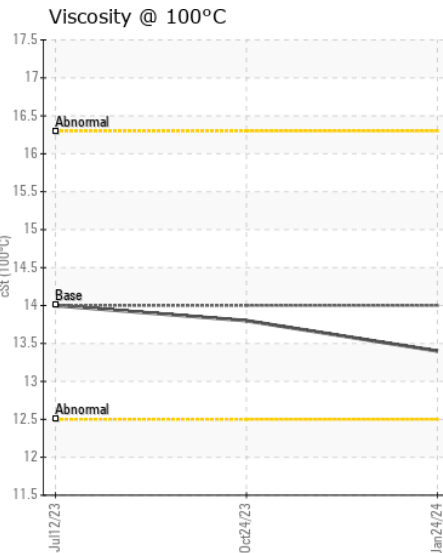
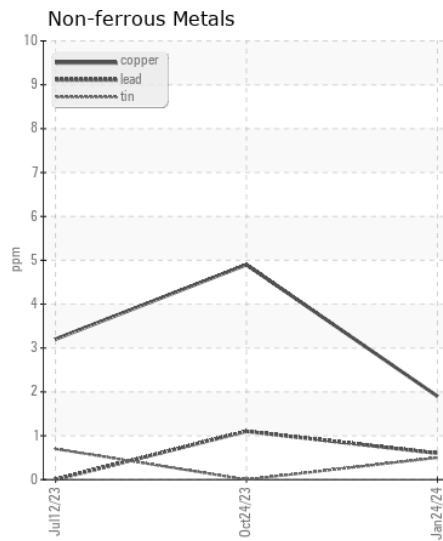
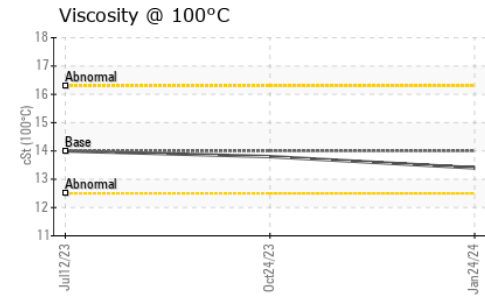
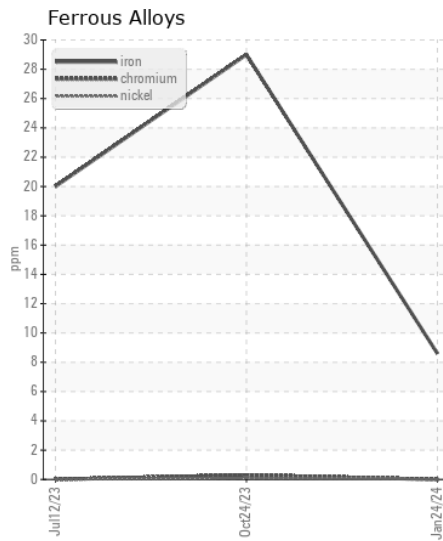
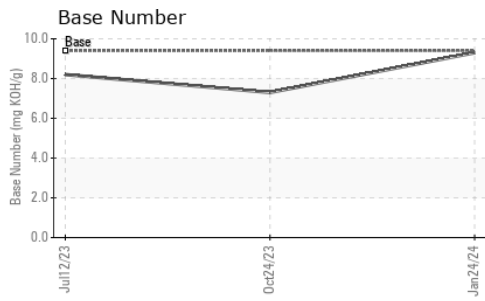
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >30 | 4 | 9 | 7 |
| Potassium | ppm | ASTM D5185m | >20 | 10 | 27 | 24 |
| 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 | 0.2 | 0.6 | 0.5 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 6.8 | 10.0 | 9.2 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.6 | 22.8 | 20.5 |
| 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 | | 0 | <1 | 2 |
| Boron | ppm | ASTM D5185m | 0 | 2 | 5 | 8 |
| Barium | ppm | ASTM D5185m | 0 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 54 | 57 | 58 |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 863 | 898 | 956 |
| Calcium | ppm | ASTM D5185m | | 1081 | 1181 | 1263 |
| Phosphorus | ppm | ASTM D5185m | | 1042 | 941 | 995 |
| Zinc | ppm | ASTM D5185m | | 1116 | 1192 | 1212 |
| Sulfur | ppm | ASTM D5185m | | 3580 | 2932 | 3438 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.0 | 19.1 | 16.7 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 9.3 | 7.3 | 8.2 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 13.4 | 13.8 | 14.0 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0017556
Lab Number : 06083359
Unique Number : 10870804
Test Package : FLEET

Received : 08 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 09 Feb 2024 - Don Baldrige

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660

Contact: Rudy Trevizo
 TrevizoR@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: