



PacLease

OIL ANALYSIS REPORT

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

Machine Id
8464808
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0019757 | RPL0019772 | RPL0009733 |
| Sample Date | | Client Info | | 01 Jul 2024 | 18 Apr 2024 | 14 Feb 2023 |
| Machine Age | mls | Client Info | | 216120 | 212038 | 165252 |
| Oil Age | mls | Client Info | | 0 | 0 | 0 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Filter Changed | | Client Info | | Not Changd | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 9 | 3 | 31 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 0 | 2 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 4 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 7 | 6 | 30 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | 9 |
| Copper | ppm | ASTM D5185m | >330 | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | 2 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

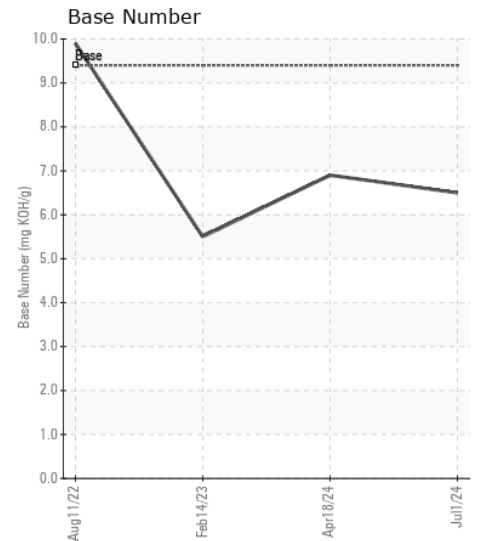
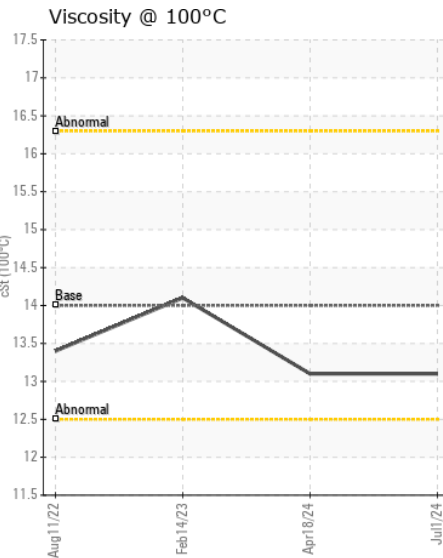
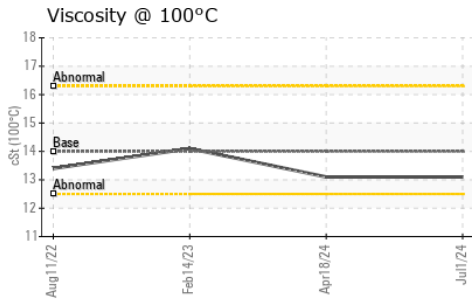
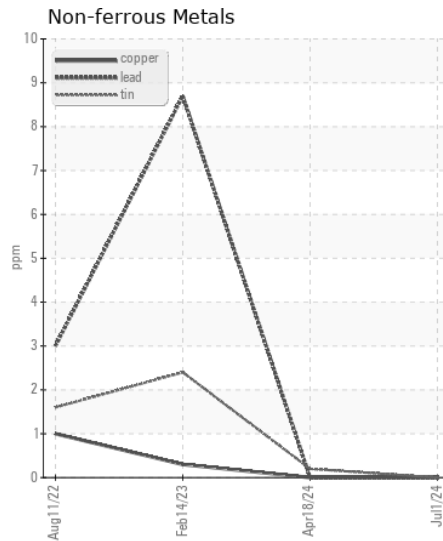
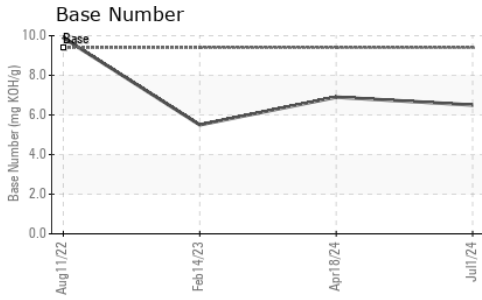
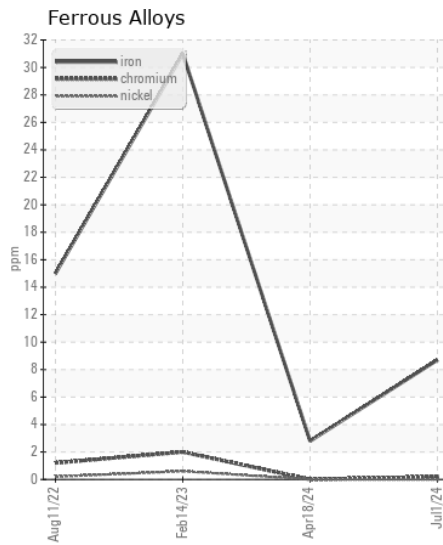
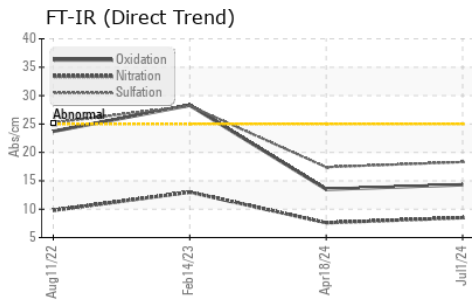
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 5 | 6 | 9 |
| Potassium | ppm | ASTM D5185m | >20 | 11 | 7 | 63 |
| 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 | 0.3 | 0.2 | 1.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 8.5 | 7.6 | 13.0 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 18.3 | 17.4 | 28.2 |
| 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 | <1 | 1 |
| Boron | ppm | ASTM D5185m | 0 | 103 | 130 | 17 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 116 | 115 | 26 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | 0 | 648 | 643 | 412 |
| Calcium | ppm | ASTM D5185m | | 1274 | 1210 | 1073 |
| Phosphorus | ppm | ASTM D5185m | | 713 | 710 | 523 |
| Zinc | ppm | ASTM D5185m | | 819 | 803 | 686 |
| Sulfur | ppm | ASTM D5185m | | 3519 | 3454 | 1814 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 14.3 | 13.5 | 28.3 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 6.5 | 6.9 | 5.5 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 13.1 | 13.1 | 14.1 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019757
Lab Number : 06235480
Unique Number : 11124314
Test Package : FLEET

Received : 15 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Wes Davis

RTL PACLEASE - 7051 - Las Vegas
 4150 Arctic Spring Ave
 North Las Vegas, NV
 US 89115

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: (702)208-7164

F: