



PacLease

OIL ANALYSIS REPORT

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

Machine Id
8464349
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | RPL0020515 | RPL0011257 | RPL0006200 |
| Sample Date | | Client Info | | 07 Jun 2024 | 24 Jul 2023 | 17 Sep 2022 |
| Machine Age | mls | Client Info | | 133030 | 109434 | 0 |
| Oil Age | mls | Client Info | | 2730 | 27290 | 0 |
| Filter Age | mls | Client Info | | 2730 | 27290 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 32 | 78 | 18 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 7 | 21 | 8 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 2 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 3 | 8 | 2 |
| Tin | ppm | ASTM D5185m | >15 | 0 | 2 | <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

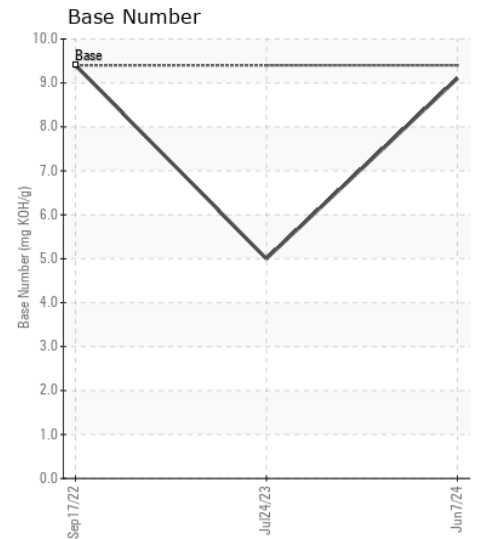
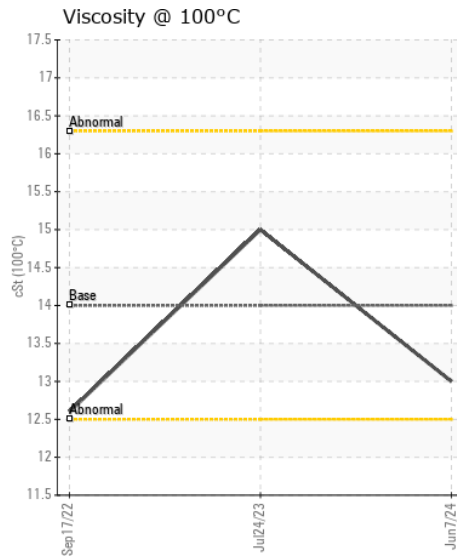
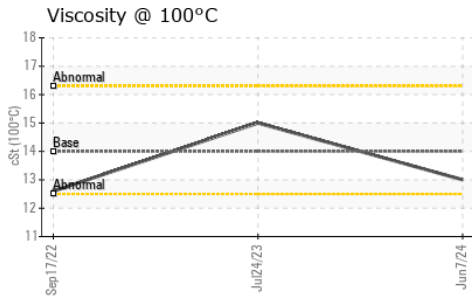
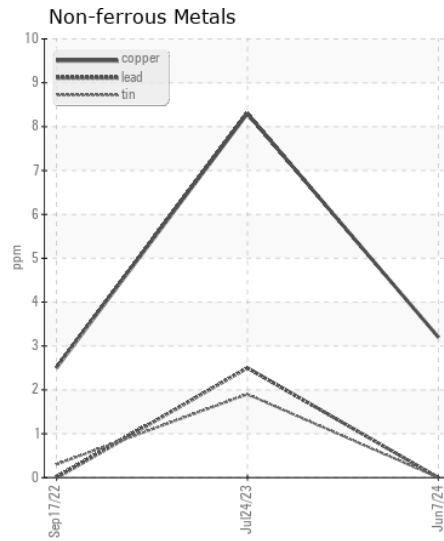
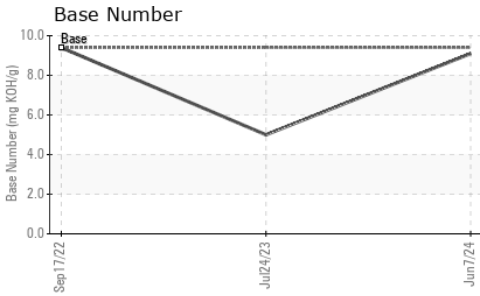
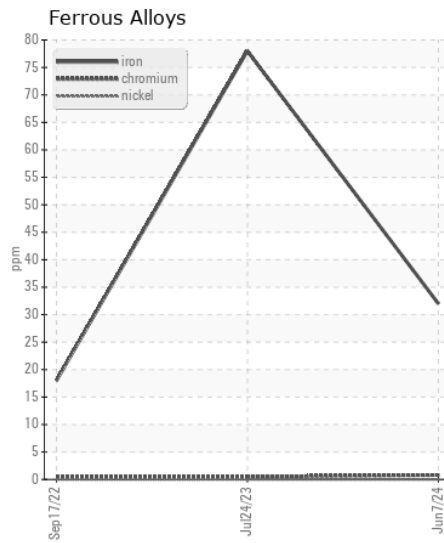
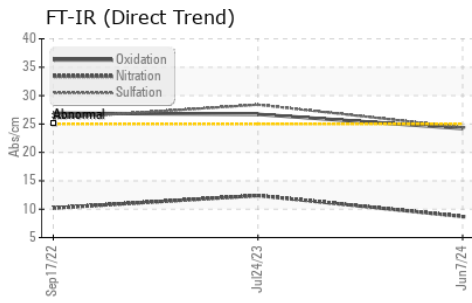
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 8 | 9 | 7 |
| Potassium | ppm | ASTM D5185m | >20 | 15 | 58 | 16 |
| 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 | 0.4 | 1.1 | 0.4 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 8.7 | 12.4 | 10.2 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 24.4 | 28.4 | 26.0 |
| 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 acceptable for the time in service.

| | | | | | | |
|------------------|----------|-------------|-----|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 2 | 4 | <1 |
| Boron | ppm | ASTM D5185m | 0 | 39 | 20 | 27 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 41 | 32 | 45 |
| Manganese | ppm | ASTM D5185m | | <1 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 499 | 783 | 483 |
| Calcium | ppm | ASTM D5185m | | 1572 | 1471 | 1600 |
| Phosphorus | ppm | ASTM D5185m | | 770 | 842 | 738 |
| Zinc | ppm | ASTM D5185m | | 907 | 1020 | 908 |
| Sulfur | ppm | ASTM D5185m | | 2331 | 3182 | 3000 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 24.2 | 26.7 | 26.9 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 9.1 | 5.0 | 9.4 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 13.0 | 15.0 | 12.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0020515 **Received** : 19 Jun 2024
Lab Number : 06214192 **Tested** : 21 Jun 2024
Unique Number : 11087056 **Diagnosed** : 21 Jun 2024 - Sean Felton
Test Package : FLEET

RTL PACLEASE - 7007 - Fontana
 3121 South Riverside
 Bloomington, CA
 US 92316
 Contact: Rudy Trevizo
 TrevizoR@RushEnterprises.Com
 T: (909)829-1044
 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)