



OIL ANALYSIS REPORT

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

Machine Id
8591822
 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 | | RPL0021321 | RPL0019740 | RPL0016281 |
| Sample Date | | Client Info | | 25 Jun 2024 | 08 Apr 2024 | 08 Dec 2023 |
| Machine Age | mls | Client Info | | 51748 | 48513 | 44125 |
| Oil Age | mls | Client Info | | 0 | 0 | 0 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|-------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 53 | 37 | 22 |
| Chromium | ppm | ASTM D5185m | >20 | 2 | 1 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 5 | 4 | 3 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >330 | 5 | 6 | 3 |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

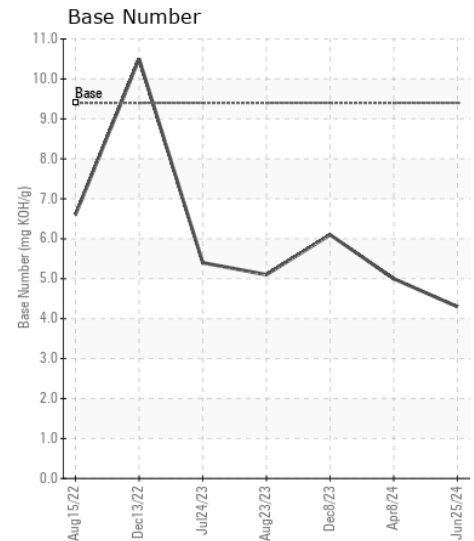
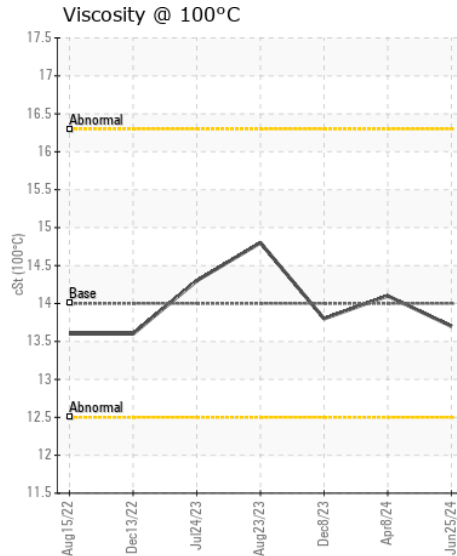
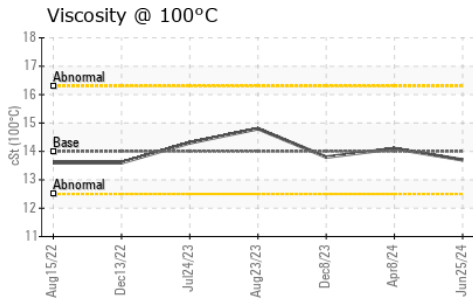
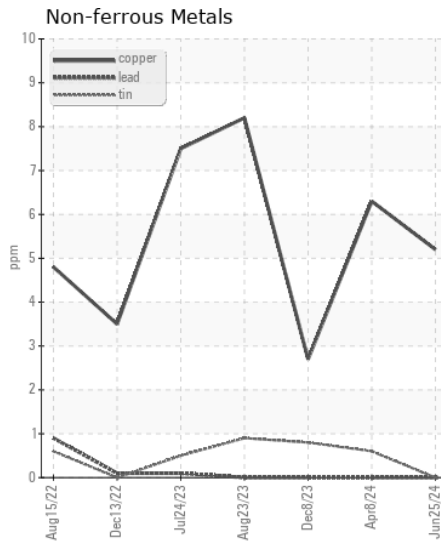
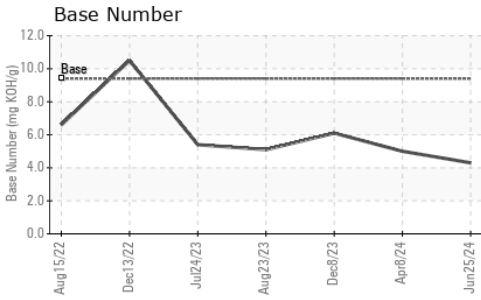
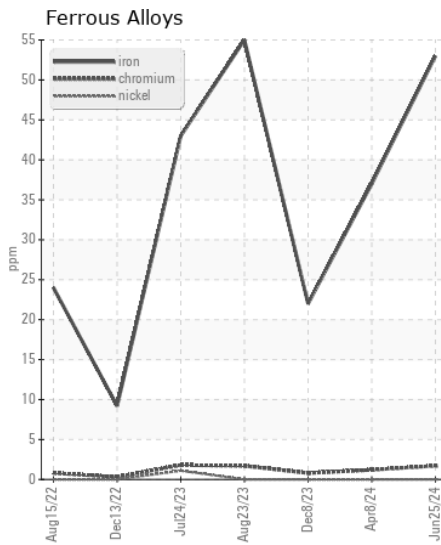
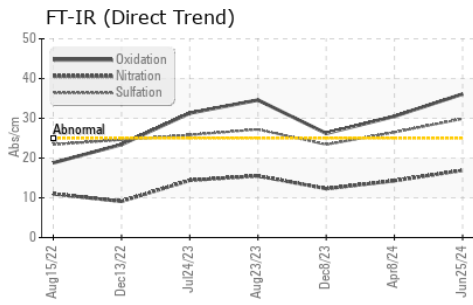
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 7 | 7 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | 2 |
| 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 | 1.5 | 1 | 0.7 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 16.9 | 14.3 | 12.3 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 29.9 | 26.5 | 23.4 |
| 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 | | 5 | 4 | 2 |
| Boron | ppm | ASTM D5185m | 0 | 37 | 49 | 44 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 2 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 79 | 81 | 71 |
| Manganese | ppm | ASTM D5185m | | <1 | 2 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 582 | 632 | 579 |
| Calcium | ppm | ASTM D5185m | | 1473 | 1531 | 1386 |
| Phosphorus | ppm | ASTM D5185m | | 732 | 779 | 712 |
| Zinc | ppm | ASTM D5185m | | 831 | 918 | 864 |
| Sulfur | ppm | ASTM D5185m | | 2704 | 2980 | 2448 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 36.1 | 30.5 | 26.2 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 4.3 | 5.0 | 6.1 |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 13.7 | 14.1 | 13.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021321
Lab Number : 06235622
Unique Number : 11124456
Test Package : FLEET

Received : 15 Jul 2024
Tested : 16 Jul 2024
Diagnosed : 16 Jul 2024 - Don Baldrige

RTL PACLEASE - 7051 - Las Vegas
 4150 Arctic Spring Ave
 North Las Vegas, NV
 US 89115
 Contact: Rudy Trevizo
 TrevizoR@RushEnterprises.Com
 T: (702)208-7164
 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)