



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

Machine Id
I4478
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- 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 | | IL0033139 | IL0029394 | --- |
| Sample Date | | Client Info | | 07 Dec 2023 | 14 Jan 2023 | --- |
| Machine Age | mls | Client Info | | 119031 | 107674 | --- |
| Oil Age | mls | Client Info | | 11357 | 0 | --- |
| Filter Age | mls | Client Info | | 11357 | 0 | --- |
| Oil Changed | | Client Info | | Changed | N/A | --- |
| Filter Changed | | Client Info | | Changed | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >100 | 21 | 24 | --- |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 2 | --- |
| Nickel | ppm | ASTM D5185m | >4 | 0 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | --- |
| Silver | ppm | ASTM D5185m | >3 | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 11 | 16 | --- |
| Lead | ppm | ASTM D5185m | >40 | 0 | <1 | --- |
| Copper | ppm | ASTM D5185m | >330 | 14 | 3 | --- |
| Tin | ppm | ASTM D5185m | >15 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

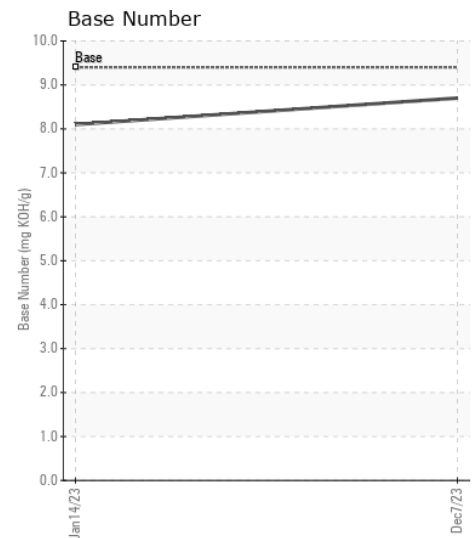
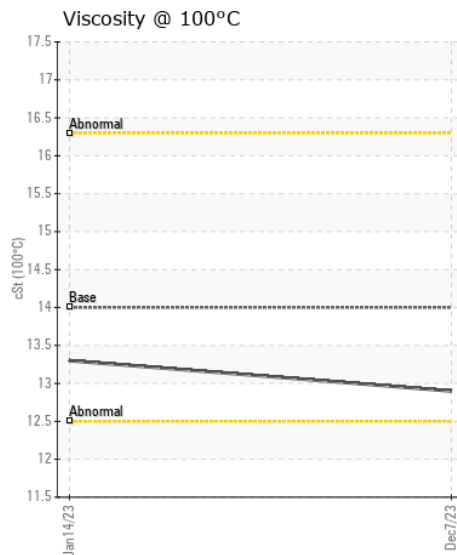
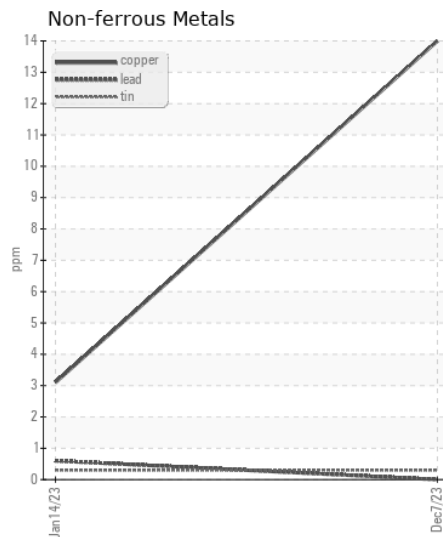
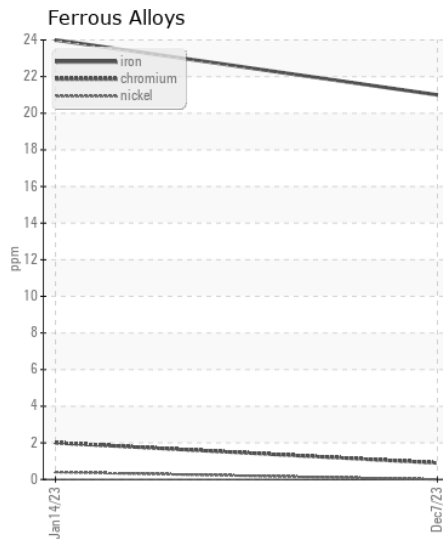
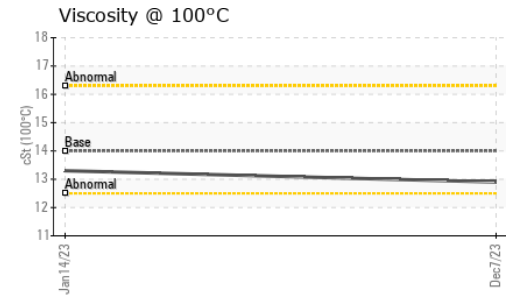
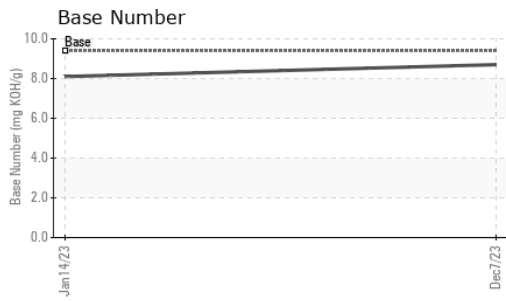
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >25 | 8 | 8 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 21 | 34 | --- |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Glycol | | WC Method | | NEG | NEG | --- |
| Soot % | % | *ASTM D7844 | >3 | 0.3 | 0.3 | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.8 | 9.1 | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 20.1 | 19.7 | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | 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 | 3 | --- |
| Boron | ppm | ASTM D5185m | 0 | 55 | 64 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 65 | 5 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | 2 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | 687 | 667 | --- |
| Calcium | ppm | ASTM D5185m | | 1329 | 1322 | --- |
| Phosphorus | ppm | ASTM D5185m | | 825 | 618 | --- |
| Zinc | ppm | ASTM D5185m | | 963 | 805 | --- |
| Sulfur | ppm | ASTM D5185m | | 2770 | 3117 | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 16.7 | 12.9 | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 9.4 | 8.7 | 8.1 | --- |
| Visc @ 100°C | cSt | ASTM D445 | 14 | 12.9 | 13.3 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0033139 **Received** : 01 Feb 2024
Lab Number : 06077495 **Diagnosed** : 02 Feb 2024
Unique Number : 10859586 **Diagnostician** : Wes Davis
Test Package : FLEET

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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)