



**LEAHY-WOLF**  
Lubricating specialists since 1946

OIL ANALYSIS REPORT

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

Machine Id  
**FORD JJ09**  
Component  
**Gasoline Engine**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test           | UOM | Method      | Limit/Abn | Current       | History1 | History2 |
|----------------|-----|-------------|-----------|---------------|----------|----------|
| Sample Number  |     | Client Info |           | LW0008633     | ---      | ---      |
| Sample Date    |     | Client Info |           | 27 Jan 2024   | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 0             | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0             | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0             | ---      | ---      |
| Oil Changed    |     | Client Info |           | N/A           | ---      | ---      |
| Filter Changed |     | Client Info |           | N/A           | ---      | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b> | ---      | ---      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |      |     |     |
|--------------|--------|-------------|------|------|-----|-----|
| Iron         | ppm    | ASTM D5185m | >150 | 5    | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >20  | <1   | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >5   | 0    | --- | --- |
| Titanium     | ppm    | ASTM D5185m |      | <1   | --- | --- |
| Silver       | ppm    | ASTM D5185m | >2   | 0    | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >40  | 2    | --- | --- |
| Lead         | ppm    | ASTM D5185m | >50  | 0    | --- | --- |
| Copper       | ppm    | ASTM D5185m | >155 | 2    | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10  | 0    | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |      | 0    | --- | --- |
| White Metal  | scalar | *Visual     | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE | NONE | --- | --- |

**CONTAMINATION**

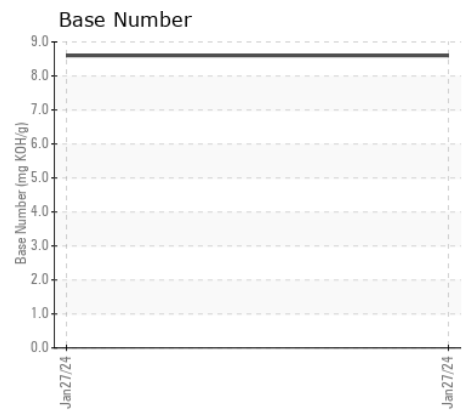
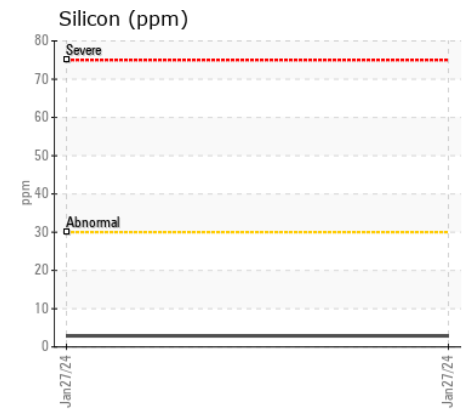
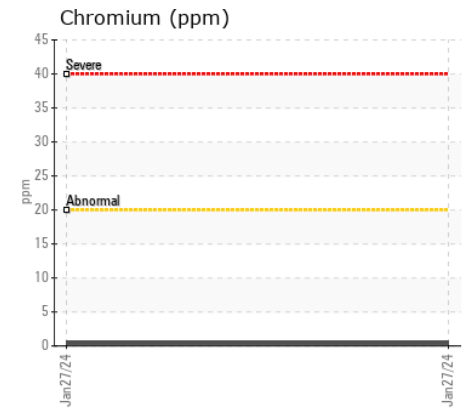
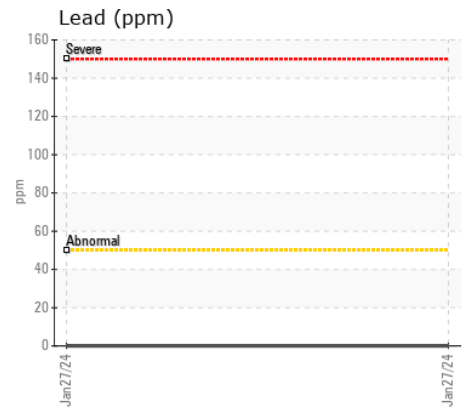
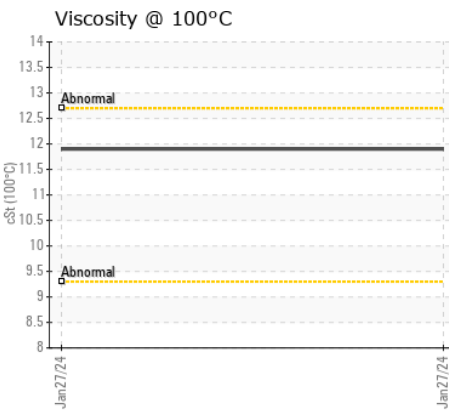
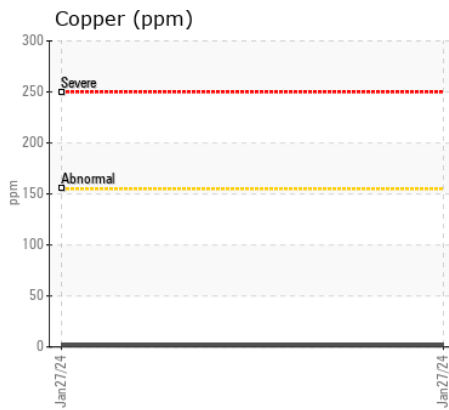
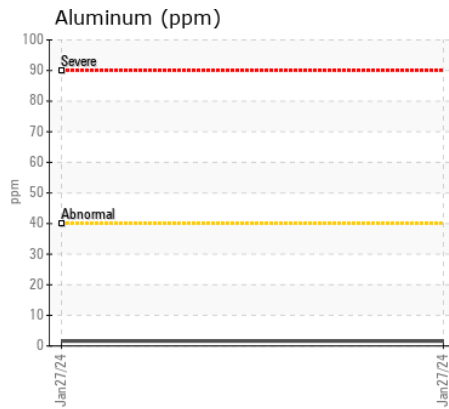
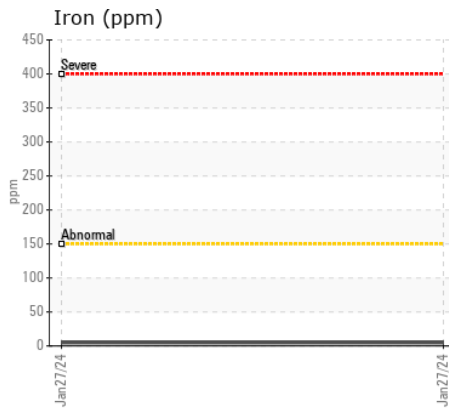
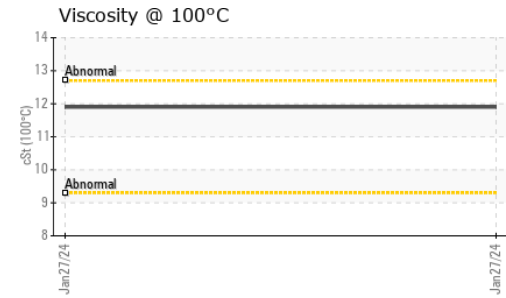
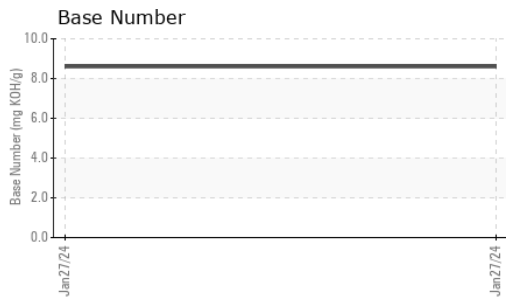
There is no indication of any contamination in the oil.

|                  |          |             |       |       |     |     |
|------------------|----------|-------------|-------|-------|-----|-----|
| Silicon          | ppm      | ASTM D5185m | >30   | 3     | --- | --- |
| Potassium        | ppm      | ASTM D5185m | >20   | 2     | --- | --- |
| Fuel             |          | WC Method   | >4.0  | <1.0  | --- | --- |
| Water            |          | WC Method   | >0.2  | NEG   | --- | --- |
| Glycol           |          | WC Method   |       | NEG   | --- | --- |
| Soot %           | %        | *ASTM D7844 |       | 0.2   | --- | --- |
| Nitration        | Abs/cm   | *ASTM D7624 | >20   | 9.6   | --- | --- |
| Sulfation        | Abs/.1mm | *ASTM D7415 | >30   | 18.2  | --- | --- |
| Silt             | scalar   | *Visual     | NONE  | NONE  | --- | --- |
| Debris           | scalar   | *Visual     | NONE  | NONE  | --- | --- |
| Sand/Dirt        | scalar   | *Visual     | NONE  | NONE  | --- | --- |
| Appearance       | scalar   | *Visual     | NORML | NORML | --- | --- |
| Odor             | scalar   | *Visual     | NORML | NORML | --- | --- |
| Emulsified Water | scalar   | *Visual     | >0.2  | 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 | >400 | 0    | --- | --- |
| Boron            | ppm      | ASTM D5185m |      | 1    | --- | --- |
| Barium           | ppm      | ASTM D5185m |      | <1   | --- | --- |
| Molybdenum       | ppm      | ASTM D5185m |      | 57   | --- | --- |
| Manganese        | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Magnesium        | ppm      | ASTM D5185m |      | 810  | --- | --- |
| Calcium          | ppm      | ASTM D5185m |      | 965  | --- | --- |
| Phosphorus       | ppm      | ASTM D5185m |      | 938  | --- | --- |
| Zinc             | ppm      | ASTM D5185m |      | 1093 | --- | --- |
| Sulfur           | ppm      | ASTM D5185m |      | 2883 | --- | --- |
| Oxidation        | Abs/.1mm | *ASTM D7414 | >25  | 17.1 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896  |      | 8.6  | --- | --- |
| Visc @ 100°C     | cSt      | ASTM D445   |      | 11.9 | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0008633 **Received** : 01 Feb 2024  
**Lab Number** : 06076740 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858831 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

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)

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