



**LEAHY-WOLF**  
Lubricating specialists since 1946

OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**FORD JJ09**  
Component  
**Gasoline Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LW0007859</b>	LW0007904	LW0008633
Sample Date		Client Info		<b>24 Jun 2024</b>	23 Apr 2024	27 Jan 2024
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>18</b>	18	5
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>4</b>	2	2
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>155	<b>3</b>	4	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

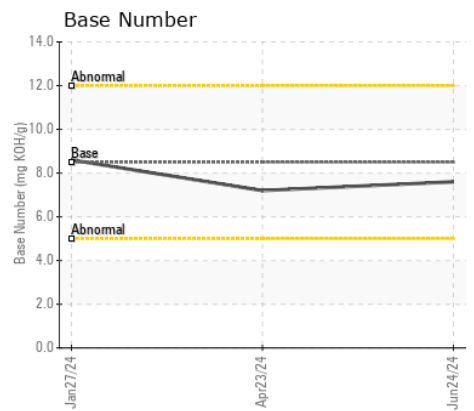
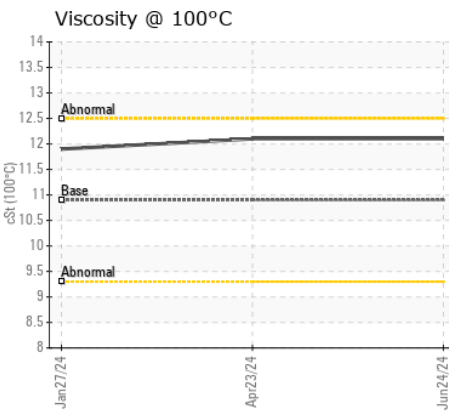
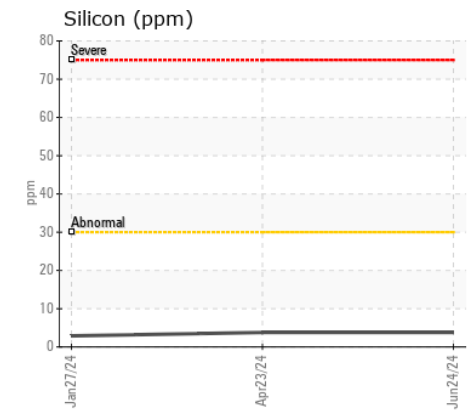
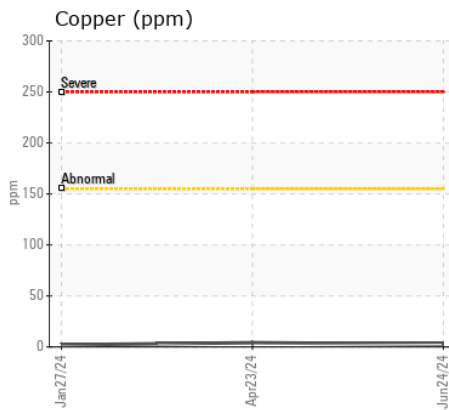
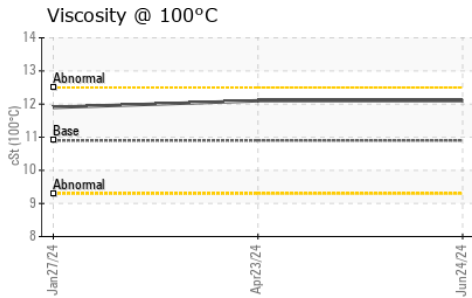
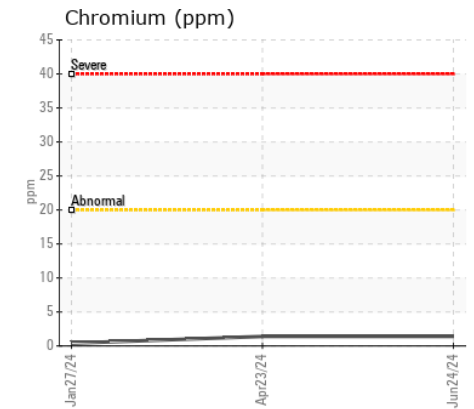
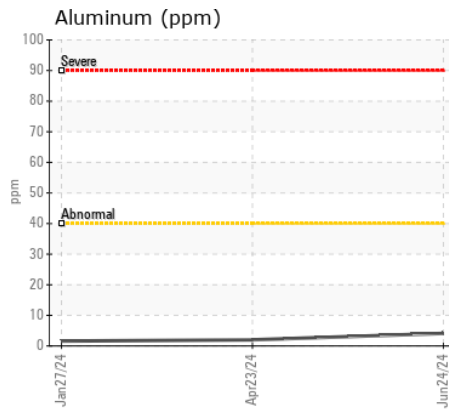
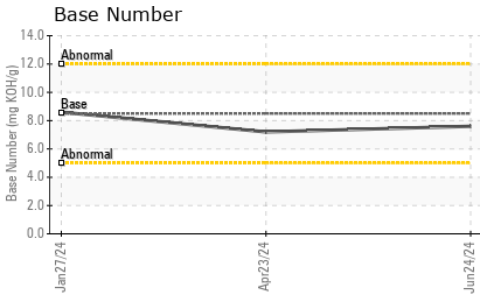
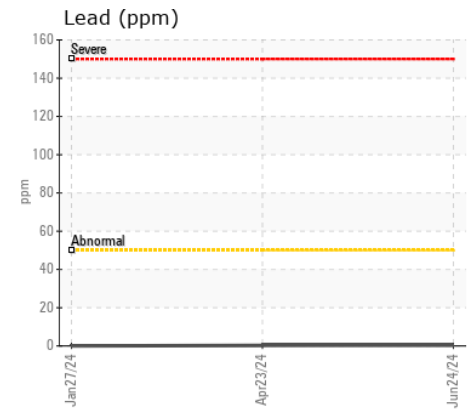
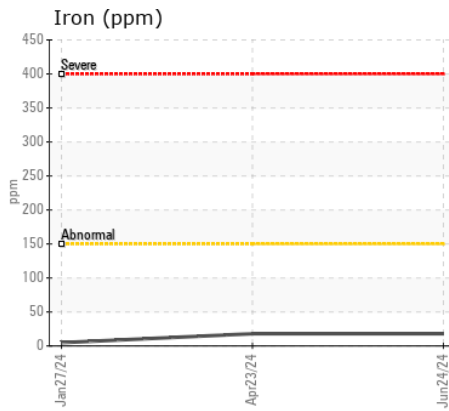
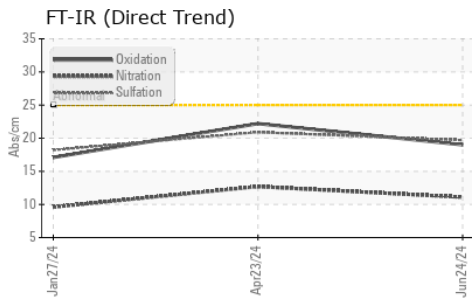
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>4</b>	4	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.3</b>	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.1</b>	12.7	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.7</b>	20.9	18.2
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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	>75	<b>5</b>	0	0
Boron	ppm	ASTM D5185m	250	<b>2</b>	1	1
Barium	ppm	ASTM D5185m	10	<b>0</b>	2	<1
Molybdenum	ppm	ASTM D5185m	100	<b>56</b>	59	57
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	450	<b>950</b>	859	810
Calcium	ppm	ASTM D5185m	3000	<b>1045</b>	989	965
Phosphorus	ppm	ASTM D5185m	1150	<b>1036</b>	998	938
Zinc	ppm	ASTM D5185m	1350	<b>1272</b>	1137	1093
Sulfur	ppm	ASTM D5185m	4250	<b>3303</b>	2993	2883
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.0</b>	22.2	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>7.6</b>	7.2	8.6
Visc @ 100°C	cSt	ASTM D445	10.9	<b>12.1</b>	12.1	11.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0007859 **Received** : 27 Jun 2024  
**Lab Number** : 06222013 **Tested** : 27 Jun 2024  
**Unique Number** : 11100210 **Diagnosed** : 27 Jun 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**LRS - NILES**  
 33541 REUM RD  
 NILES, MI  
 US 49120

Contact: JOHN HUGHES  
 johnh@michianarecyclinganddisposal.com  
 T: (269)684-0900 X:124  
 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)