



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**8591931**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- 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		<b>RPL0021259</b>	RPL0019817	---
Sample Date		Client Info		<b>14 Jun 2024</b>	25 Apr 2024	---
Machine Age	mls	Client Info		<b>13045</b>	9524	---
Oil Age	mls	Client Info		<b>0</b>	0	---
Filter Age	mls	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	<b>51</b>	34	---
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	7	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>330	<b>30</b>	28	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

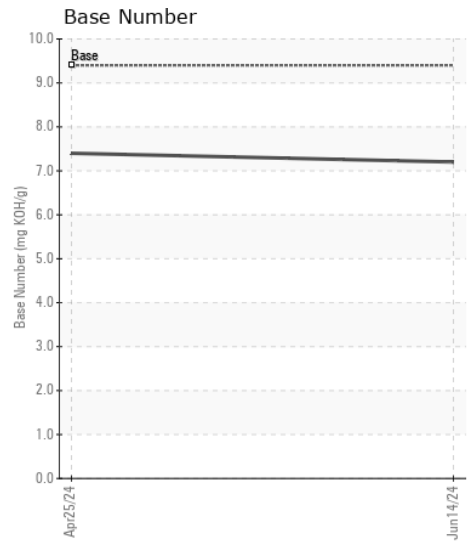
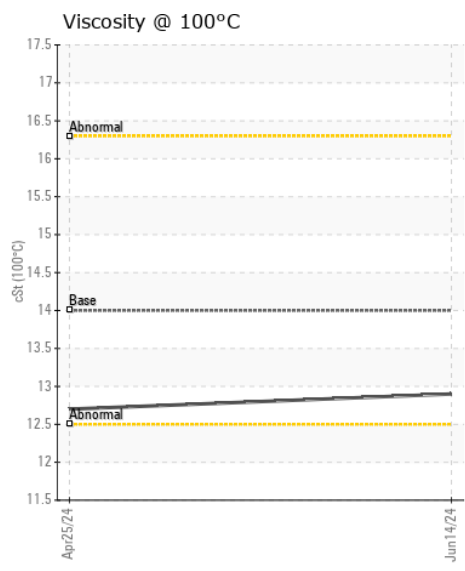
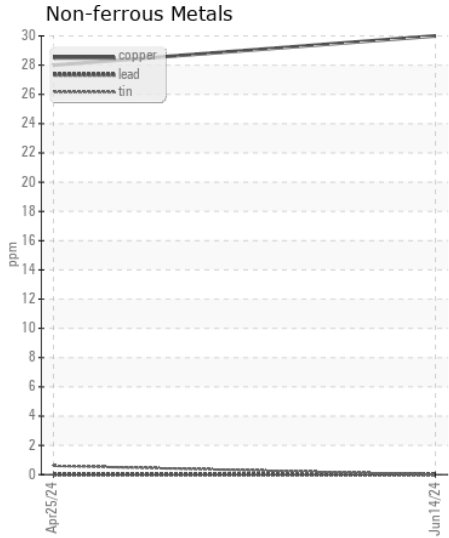
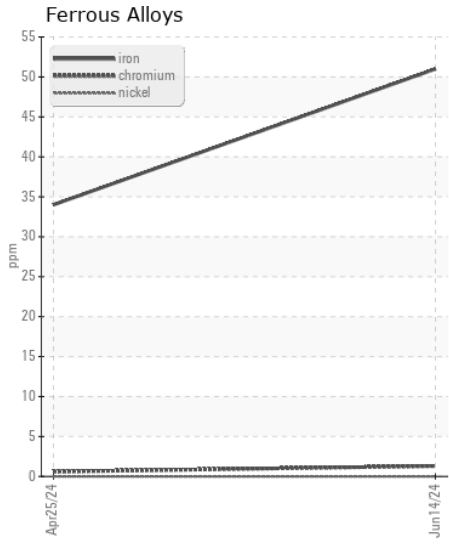
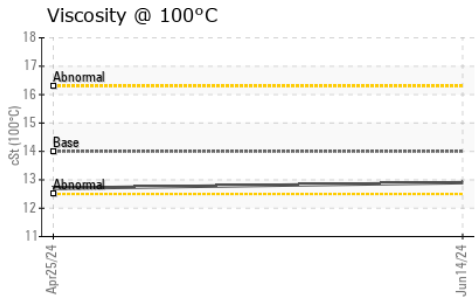
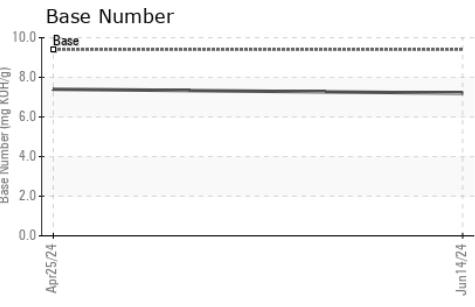
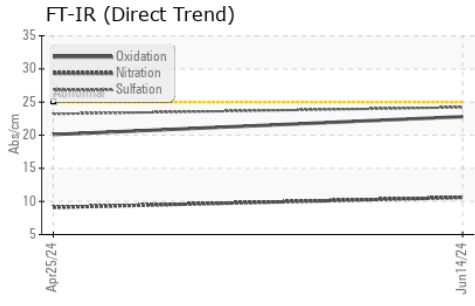
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>36</b>	32	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.6</b>	9.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.2</b>	23.2	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>6</b>	4	---
Boron	ppm	ASTM D5185m	0	<b>190</b>	272	---
Barium	ppm	ASTM D5185m	0	<b>6</b>	6	---
Molybdenum	ppm	ASTM D5185m	0	<b>118</b>	115	---
Manganese	ppm	ASTM D5185m		<b>6</b>	5	---
Magnesium	ppm	ASTM D5185m	0	<b>702</b>	687	---
Calcium	ppm	ASTM D5185m		<b>1557</b>	1434	---
Phosphorus	ppm	ASTM D5185m		<b>694</b>	704	---
Zinc	ppm	ASTM D5185m		<b>830</b>	819	---
Sulfur	ppm	ASTM D5185m		<b>2618</b>	2557	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.8</b>	20.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>7.2</b>	7.4	---
Visc @ 100°C	cSt	ASTM D445	14	<b>12.9</b>	12.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021259      **Received** : 15 Jul 2024  
**Lab Number** : 06235618      **Tested** : 16 Jul 2024  
**Unique Number** : 11124452      **Diagnosed** : 16 Jul 2024 - 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)