



# OIL ANALYSIS REPORT

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

Machine Id  
**8575154**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER 10W30 (--- 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>RPL0014746</b>	RPL0014858	---
Sample Date		Client Info		<b>07 Jun 2024</b>	11 Jan 2024	---
Machine Age	mls	Client Info		<b>28947</b>	23684	---
Oil Age	mls	Client Info		<b>5263</b>	23684	---
Filter Age	mls	Client Info		<b>5263</b>	23684	---
Oil Changed		Client Info		<b>Not Changd</b>	Changed	---
Filter Changed		Client Info		<b>Not Changd</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>18</b>	61	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	33	---
Lead	ppm	ASTM D5185m	>40	<b>2</b>	6	---
Copper	ppm	ASTM D5185m	>330	<b>4</b>	40	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	4	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

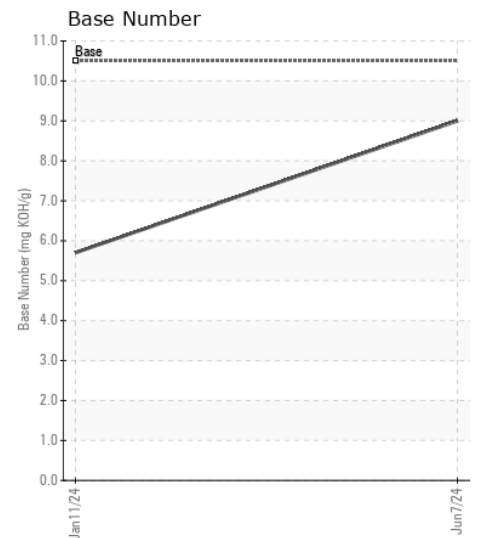
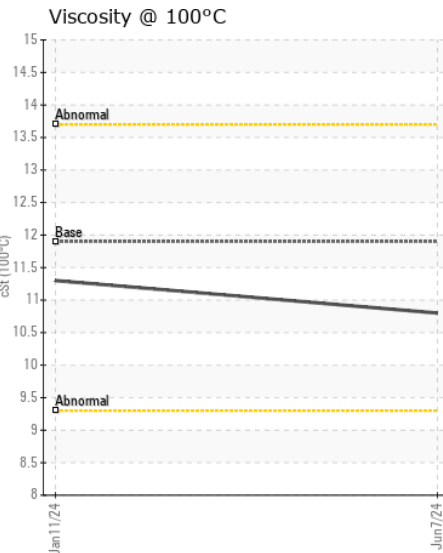
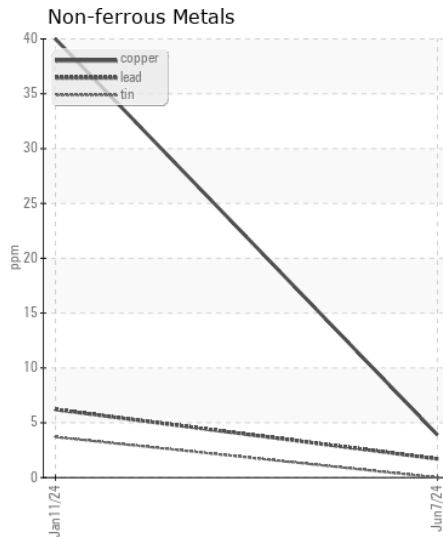
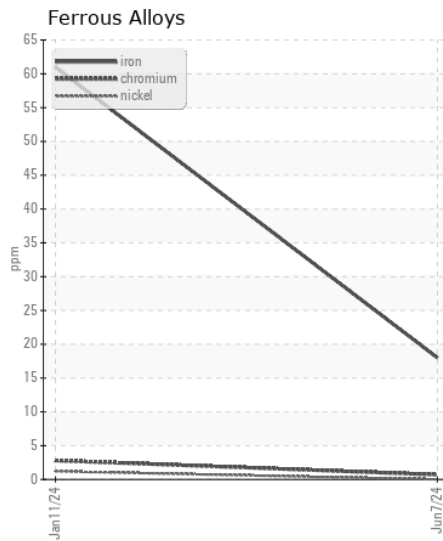
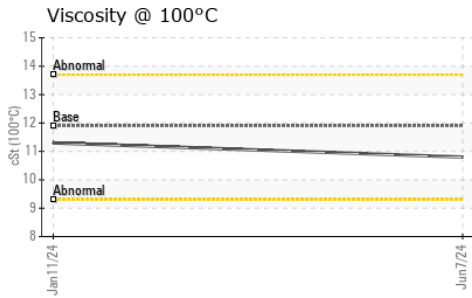
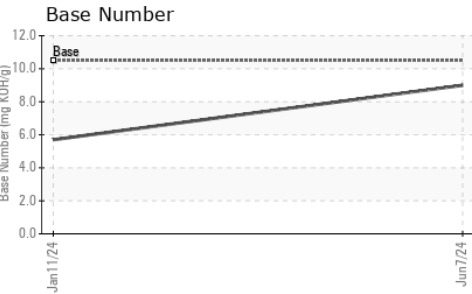
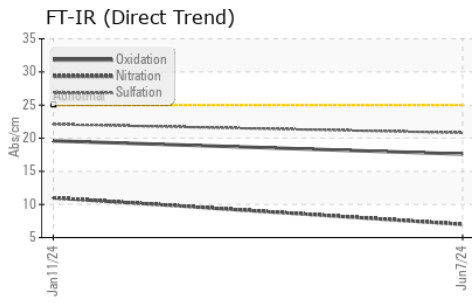
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>11</b>	51	---
Potassium	ppm	ASTM D5185m	>20	<b>19</b>	122	---
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>0.1</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.0</b>	11.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.8</b>	22.1	---
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>3</b>	2	---
Boron	ppm	ASTM D5185m		<b>85</b>	27	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>58</b>	13	---
Manganese	ppm	ASTM D5185m		<b>1</b>	6	---
Magnesium	ppm	ASTM D5185m		<b>573</b>	791	---
Calcium	ppm	ASTM D5185m		<b>1680</b>	1365	---
Phosphorus	ppm	ASTM D5185m		<b>796</b>	732	---
Zinc	ppm	ASTM D5185m		<b>947</b>	903	---
Sulfur	ppm	ASTM D5185m		<b>3088</b>	2680	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.6</b>	19.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	<b>9.0</b>	5.7	---
Visc @ 100°C	cSt	ASTM D445	11.9	<b>10.8</b>	11.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0014746  
**Lab Number** : 06215271  
**Unique Number** : 11088135  
**Test Package** : FLEET

**Received** : 20 Jun 2024  
**Tested** : 21 Jun 2024  
**Diagnosed** : 21 Jun 2024 - Wes Davis

**RTL PACLEASE - 7001 - Houston**  
 6300 N. Loop East  
 Houston, TX  
 US 77026

Contact: RODNEY BRIGGS  
 briggsr@rushenterprises.com

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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F: