



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**149-1034**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0019507</b>	RPL0012507	---
Sample Date		Client Info		<b>02 Jul 2024</b>	08 Sep 2023	---
Machine Age	mls	Client Info		<b>0</b>	41445	---
Oil Age	mls	Client Info		<b>0</b>	15000	---
Filter Age	mls	Client Info		<b>0</b>	15000	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>26</b>	47	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>13</b>	12	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>2</b>	17	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</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

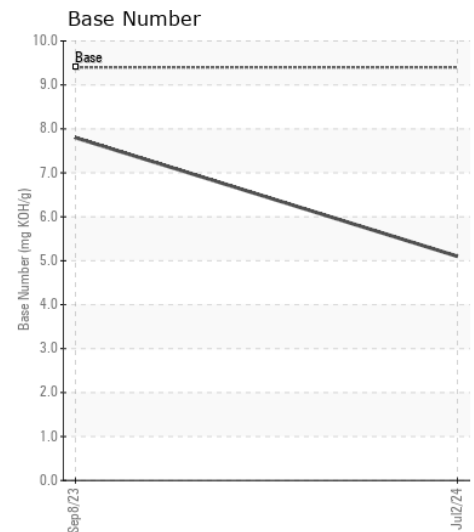
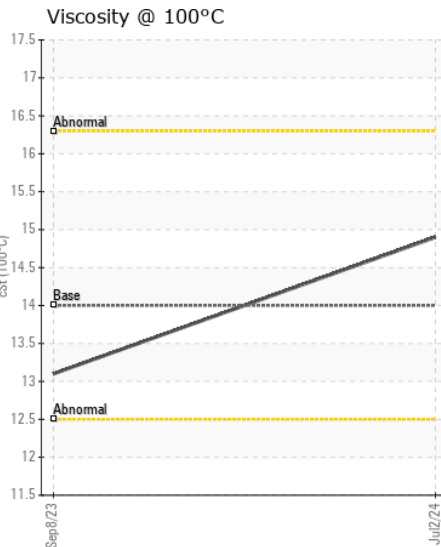
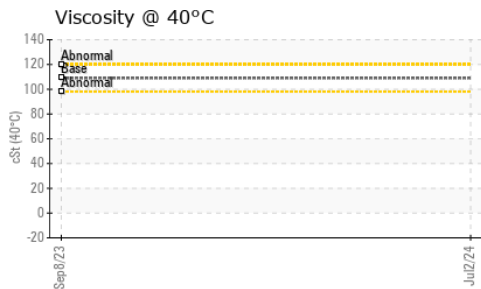
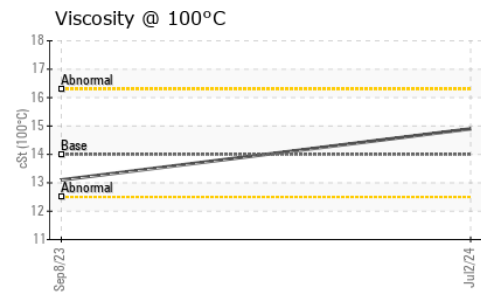
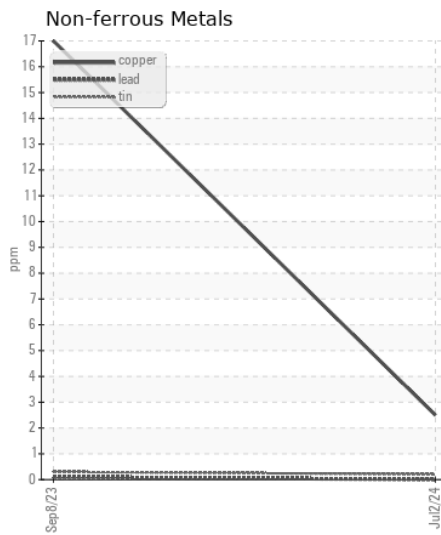
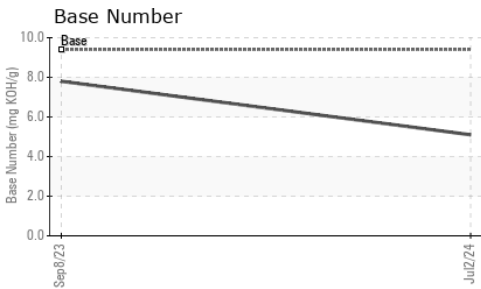
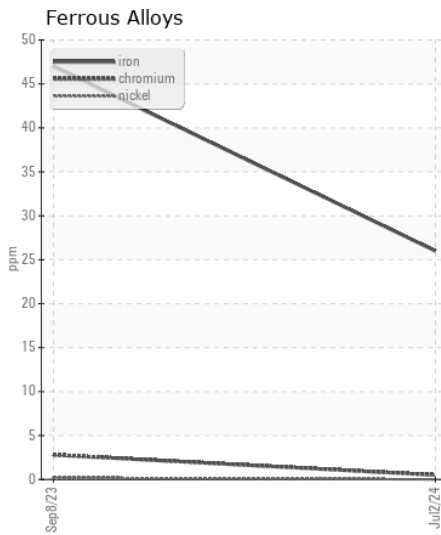
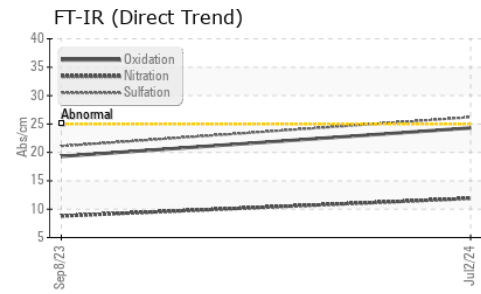
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>27</b>	9	---
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>0.5</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.9</b>	8.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>26.2</b>	21.1	---
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>2</b>	1	---
Boron	ppm	ASTM D5185m	0	<b>5</b>	10	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>70</b>	72	---
Manganese	ppm	ASTM D5185m		<b>0</b>	2	---
Magnesium	ppm	ASTM D5185m	0	<b>1028</b>	966	---
Calcium	ppm	ASTM D5185m		<b>1196</b>	1177	---
Phosphorus	ppm	ASTM D5185m		<b>1096</b>	1029	---
Zinc	ppm	ASTM D5185m		<b>1337</b>	1299	---
Sulfur	ppm	ASTM D5185m		<b>2540</b>	3021	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>24.3</b>	19.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.1</b>	7.8	---
Visc @ 100°C	cSt	ASTM D445	14	<b>14.9</b>	13.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0019507 **Received** : 03 Jul 2024  
**Lab Number** : 06227004 **Tested** : 05 Jul 2024  
**Unique Number** : 11110497 **Diagnosed** : 05 Jul 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: KV40 )

**RTL PACLEASE - 7013 - Albuquerque**  
 901 64th St. N.W.  
 Albuquerque, NM  
 US 87121

Contact: Aaron Arrey  
 ArreyA@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: