



# OIL ANALYSIS REPORT

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

Machine Id  
**8574039**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0014748</b>	RPL0005324	RPL0005649
Sample Date		Client Info		<b>07 Jun 2024</b>	07 Sep 2022	20 Jul 2022
Machine Age	mls	Client Info		<b>243324</b>	142866	5431
Oil Age	mls	Client Info		<b>22260</b>	0	0
Filter Age	mls	Client Info		<b>22260</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>21</b>	5	28
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	2	11
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	3
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

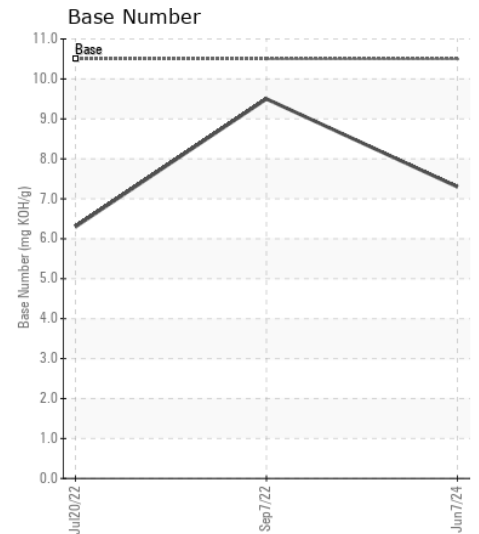
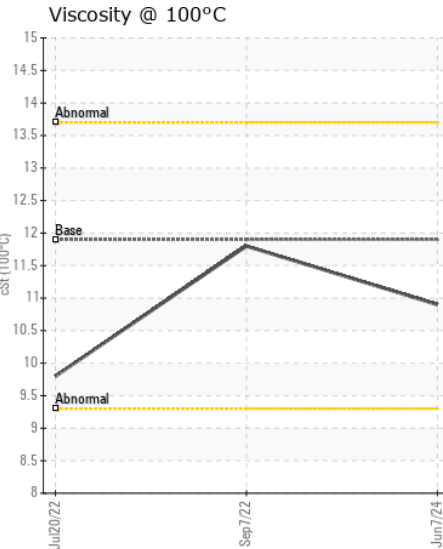
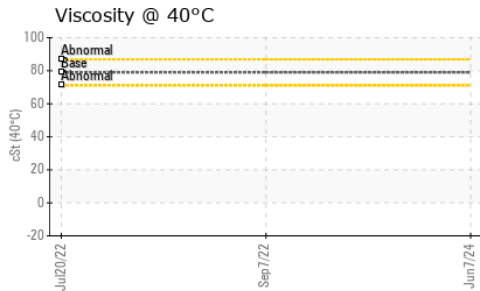
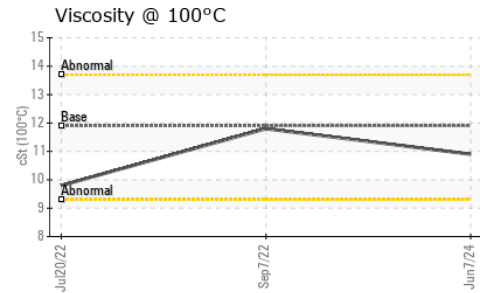
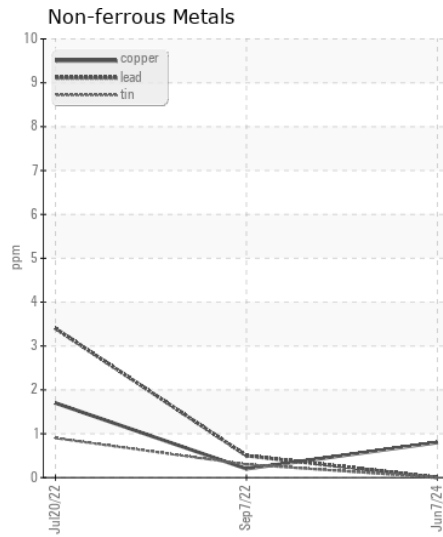
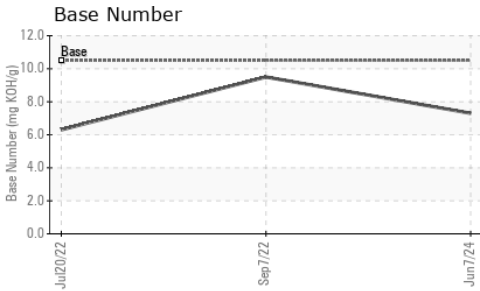
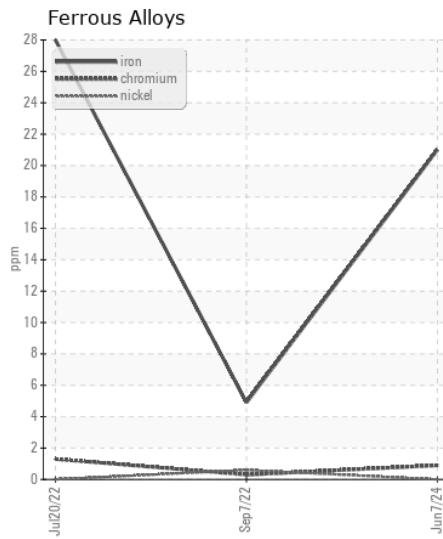
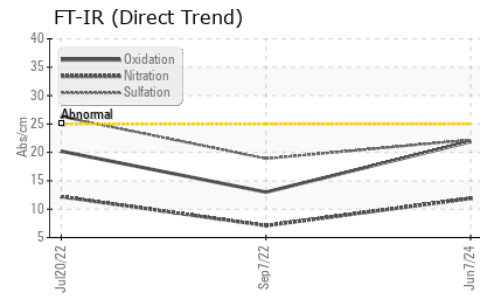
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	5	7
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	6	28
Fuel		WC Method	>5	<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	>3	<b>0.5</b>	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.9</b>	7.1	12.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.2</b>	18.9	26.3
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		<b>3</b>	3	9
Boron	ppm	ASTM D5185m		<b>18</b>	105	22
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>45</b>	10	6
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>539</b>	588	632
Calcium	ppm	ASTM D5185m		<b>1564</b>	1233	1297
Phosphorus	ppm	ASTM D5185m		<b>729</b>	618	670
Zinc	ppm	ASTM D5185m		<b>897</b>	797	796
Sulfur	ppm	ASTM D5185m		<b>2706</b>	2806	3086
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.9</b>	13.0	20.2
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	<b>7.3</b>	9.5	6.3
Visc @ 100°C	cSt	ASTM D445	11.9	<b>10.9</b>	11.8	9.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0014748 **Received** : 01 Jul 2024  
**Lab Number** : 06225523 **Tested** : 03 Jul 2024  
**Unique Number** : 11103720 **Diagnosed** : 03 Jul 2024 - Don Baldridge  
**Test Package** : FLEET ( Additional Tests: KV40 )

**RTL PACLEASE - 7001 - Houston**  
 6300 N. Loop East  
 Houston, TX  
 US 77026  
 Contact: RODNEY BRIGGS  
 briggs@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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