



# OIL ANALYSIS REPORT

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

Machine Id  
**8574021**  
 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>RPL0014745</b>	RPL0014845	RPL0010166
Sample Date		Client Info		<b>04 Jun 2024</b>	09 Feb 2024	22 Aug 2023
Machine Age	mls	Client Info		<b>205107</b>	142583	172138
Oil Age	mls	Client Info		<b>12524</b>	20445	24000
Filter Age	mls	Client Info		<b>12524</b>	20445	24000
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>22</b>	44	▲ 134
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	5
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>7</b>	11	18
Lead	ppm	ASTM D5185m	>40	<b>3</b>	8	20
Copper	ppm	ASTM D5185m	>330	<b>1</b>	2	10
Tin	ppm	ASTM D5185m	>15	<b>0</b>	1	2
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

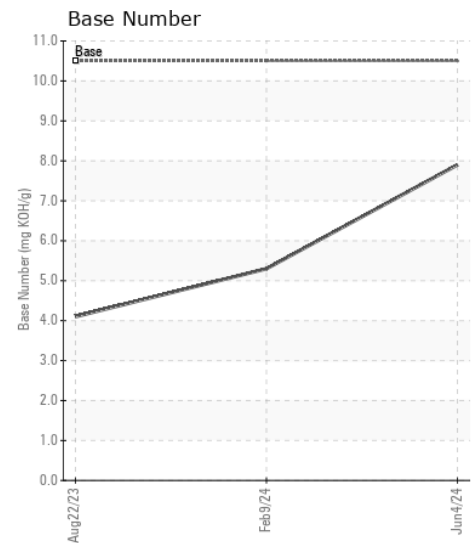
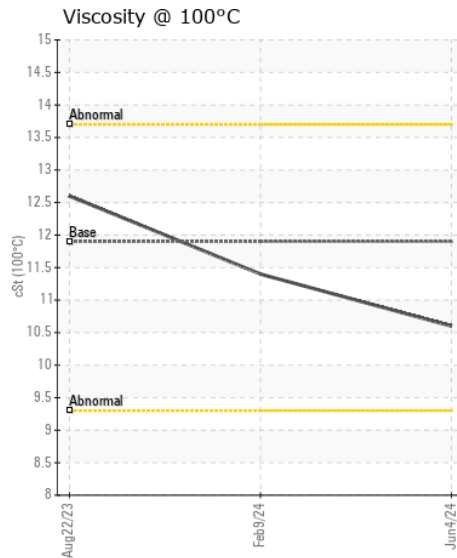
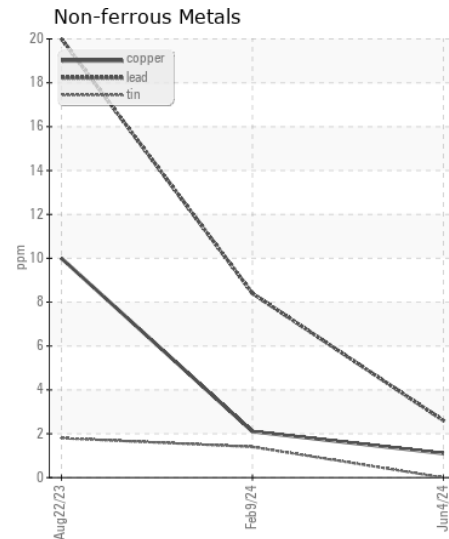
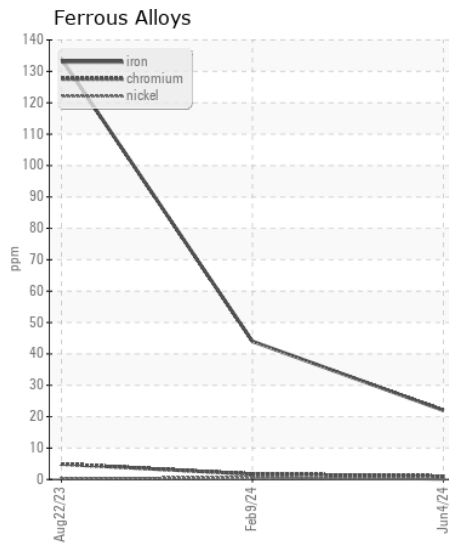
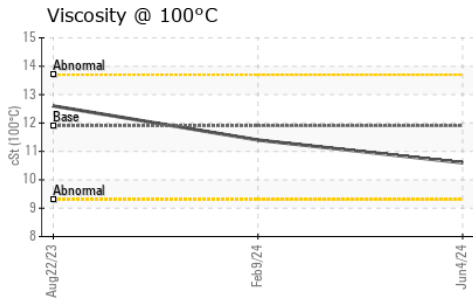
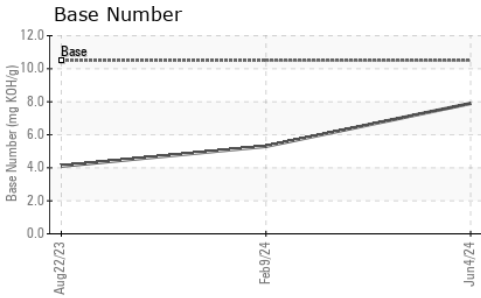
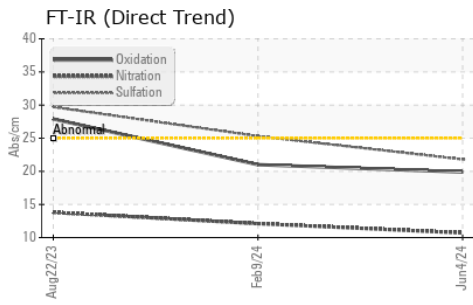
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	9	21
Potassium	ppm	ASTM D5185m	>20	<b>15</b>	27	39
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>0.7</b>	0.9	1.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.7</b>	12.1	13.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	25.3	29.7
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	6
Boron	ppm	ASTM D5185m		<b>24</b>	19	15
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>50</b>	4	9
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	3
Magnesium	ppm	ASTM D5185m		<b>554</b>	729	774
Calcium	ppm	ASTM D5185m		<b>1716</b>	1300	1469
Phosphorus	ppm	ASTM D5185m		<b>781</b>	719	759
Zinc	ppm	ASTM D5185m		<b>951</b>	851	900
Sulfur	ppm	ASTM D5185m		<b>2997</b>	2963	3442
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.9</b>	21.0	27.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	<b>7.9</b>	5.3	4.1
Visc @ 100°C	cSt	ASTM D445	11.9	<b>10.6</b>	11.4	12.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0014745  
**Lab Number** : 06215272  
**Unique Number** : 11088136  
**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  
 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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F: