



# OIL ANALYSIS REPORT

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

Machine Id  
**8591852**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021260</b>	RPL0019827	RPL0017645
Sample Date		Client Info		<b>17 Jun 2024</b>	24 Apr 2024	02 Feb 2024
Machine Age	mls	Client Info		<b>244954</b>	231517	231514
Oil Age	mls	Client Info		<b>0</b>	0	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>62</b>	27	34
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	1	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>14</b>	9	14
Lead	ppm	ASTM D5185m	>40	<b>6</b>	2	6
Copper	ppm	ASTM D5185m	>330	<b>2</b>	<1	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

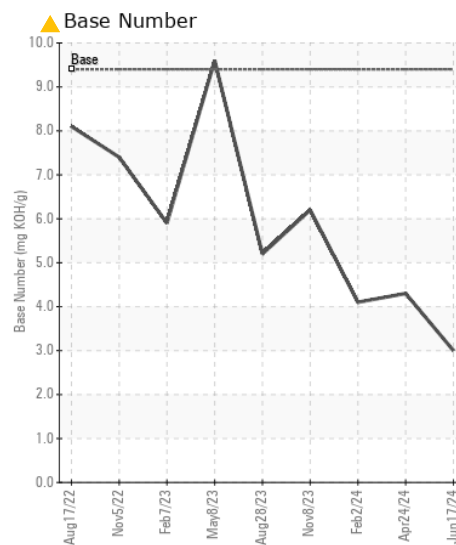
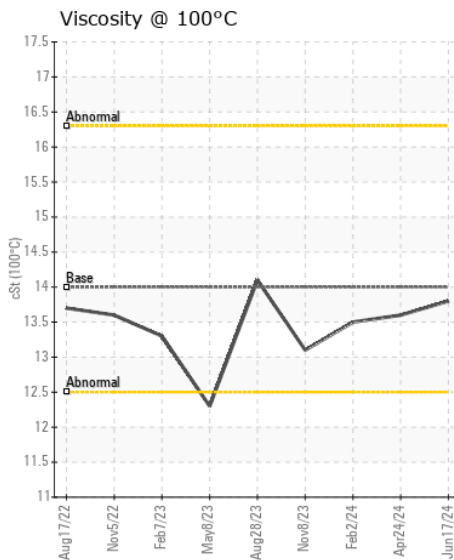
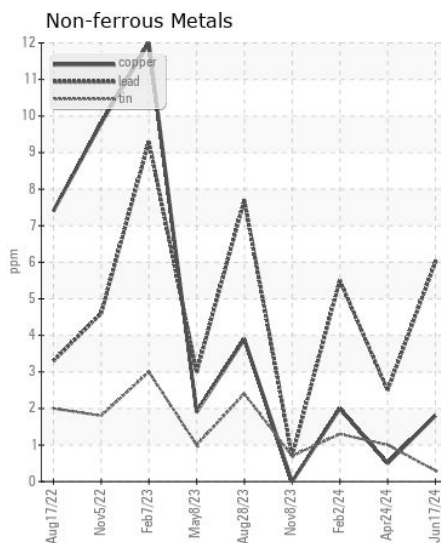
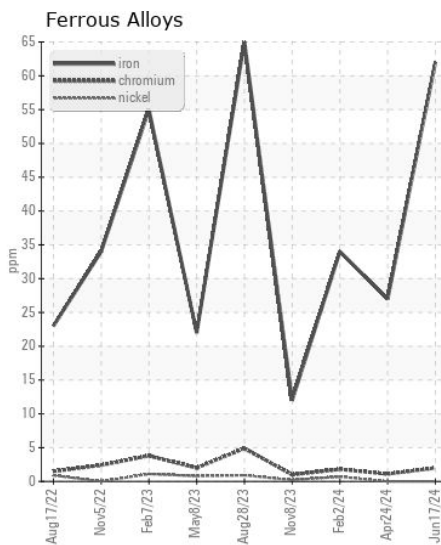
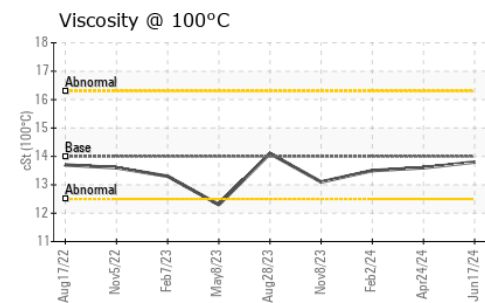
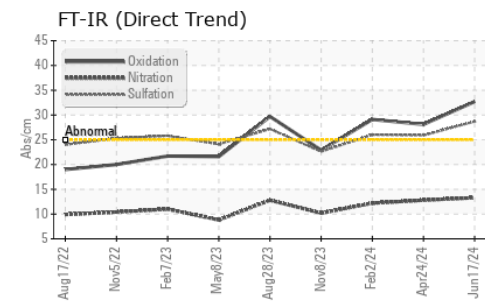
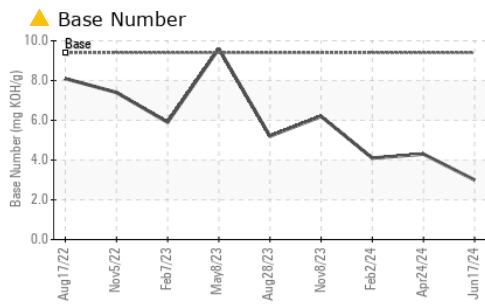
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>9</b>	8	11
Potassium	ppm	ASTM D5185m	>20	<b>23</b>	13	21
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>	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>13.3</b>	12.8	12.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>28.7</b>	25.9	26.0
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 level is low. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>5</b>	2	5
Boron	ppm	ASTM D5185m	0	<b>27</b>	39	45
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	10
Molybdenum	ppm	ASTM D5185m	0	<b>89</b>	86	125
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>657</b>	634	910
Calcium	ppm	ASTM D5185m		<b>1562</b>	1451	1899
Phosphorus	ppm	ASTM D5185m		<b>797</b>	759	1056
Zinc	ppm	ASTM D5185m		<b>926</b>	889	1286
Sulfur	ppm	ASTM D5185m		<b>2917</b>	2841	3987
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>32.7</b>	28.1	29.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>▲ 3.0</b>	4.3	4.1
Visc @ 100°C	cSt	ASTM D445	14	<b>13.8</b>	13.6	13.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RPL0021260

Lab Number : 06235613

Unique Number : 11124447

Test Package : FLEET

Received : 15 Jul 2024

Tested : 16 Jul 2024

Diagnosed : 16 Jul 2024 - Don Baldrige

RTL PACLEASE - 7051 - Las Vegas

4150 Arctic Spring Ave

North Las Vegas, NV

US 89115

Contact: Rudy Trevizo

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F:

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)