



PacLease

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**8464907**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- 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>RPL0018179</b>	RPL0016096	RPL0015091
Sample Date		Client Info		<b>17 May 2024</b>	08 Nov 2023	20 Oct 2023
Machine Age	mls	Client Info		<b>131325</b>	119955	116632
Oil Age	mls	Client Info		<b>14693</b>	116632	58665
Filter Age	mls	Client Info		<b>14693</b>	116632	58665
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>27</b>	15	▲ 110
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	3
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	4	17
Lead	ppm	ASTM D5185m	>40	<b>1</b>	2	1
Copper	ppm	ASTM D5185m	>330	<b>5</b>	3	8
Tin	ppm	ASTM D5185m	>15	<b>2</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

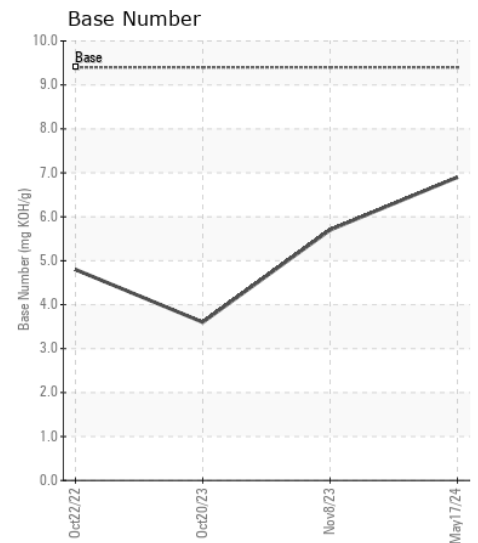
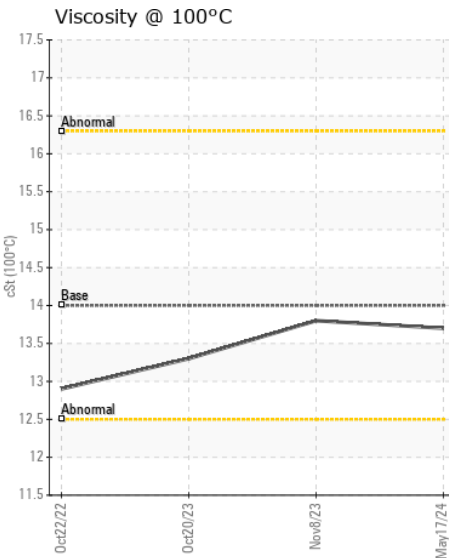
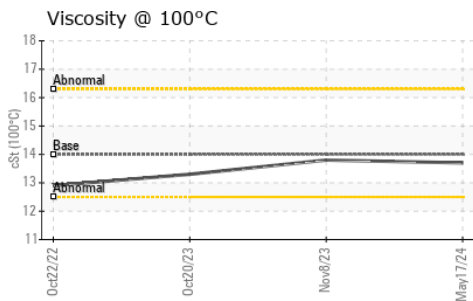
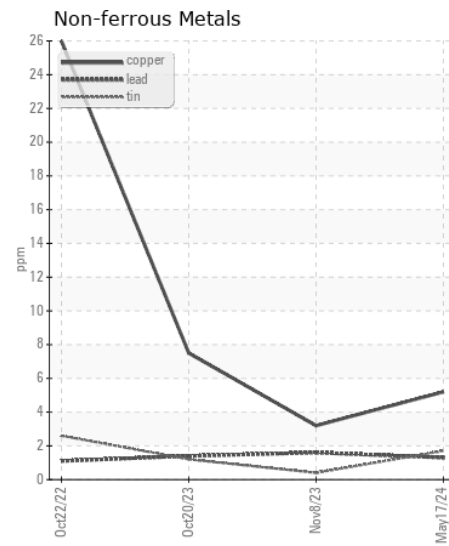
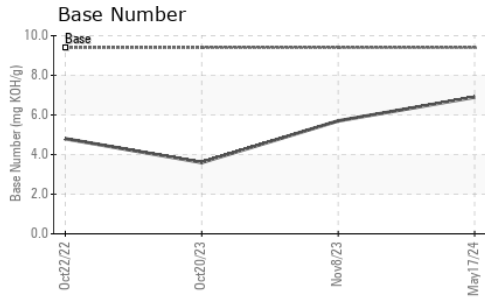
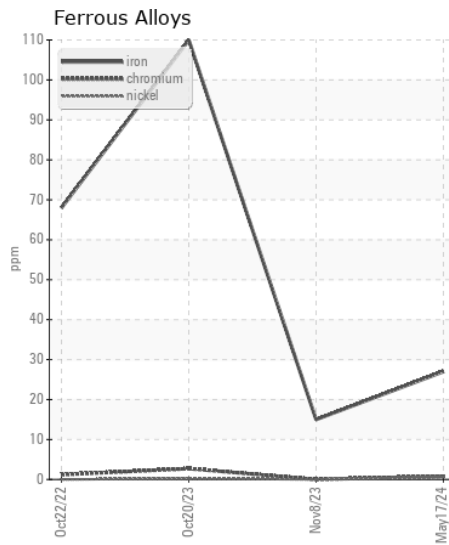
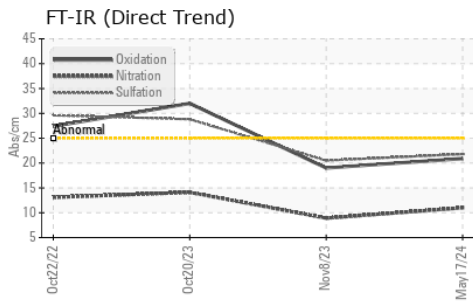
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>18</b>	11	19
Potassium	ppm	ASTM D5185m	>20	<b>15</b>	8	27
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>0.3</b>	0.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.0</b>	8.9	14.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	20.5	28.8
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	5
Boron	ppm	ASTM D5185m	0	<b>36</b>	71	16
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>85</b>	80	42
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	0	<b>676</b>	674	586
Calcium	ppm	ASTM D5185m		<b>1497</b>	1460	1675
Phosphorus	ppm	ASTM D5185m		<b>720</b>	805	776
Zinc	ppm	ASTM D5185m		<b>986</b>	970	1015
Sulfur	ppm	ASTM D5185m		<b>2939</b>	3011	2365
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>20.9</b>	19.0	32.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.9</b>	5.7	▲ 3.6
Visc @ 100°C	cSt	ASTM D445	14	<b>13.7</b>	13.8	13.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0018179  
**Lab Number** : 06190280  
**Unique Number** : 11047032  
**Test Package** : FLEET

**Received** : 24 May 2024  
**Tested** : 25 May 2024  
**Diagnosed** : 25 May 2024 - Wes Davis

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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)