



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**846-4911**  
 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>RPL0016933</b>	RPL0015151	RPL0011306
Sample Date		Client Info		<b>22 Dec 2023</b>	14 Sep 2023	23 Mar 2023
Machine Age	mls	Client Info		<b>90575</b>	0	48133
Oil Age	mls	Client Info		<b>42462</b>	0	48133
Filter Age	mls	Client Info		<b>42462</b>	0	48133
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	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>27</b>	23	63
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>9</b>	11	32
Lead	ppm	ASTM D5185m	>40	<b>7</b>	3	8
Copper	ppm	ASTM D5185m	>330	<b>5</b>	6	28
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

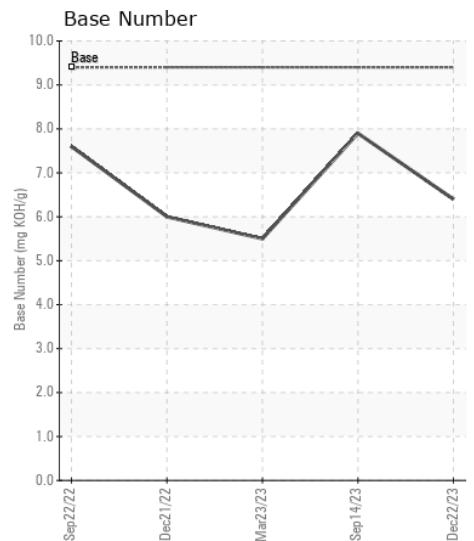
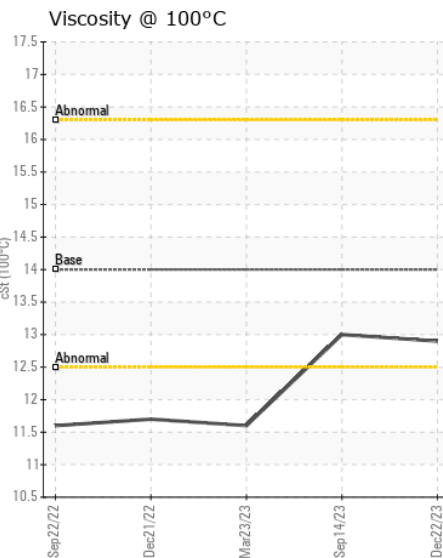
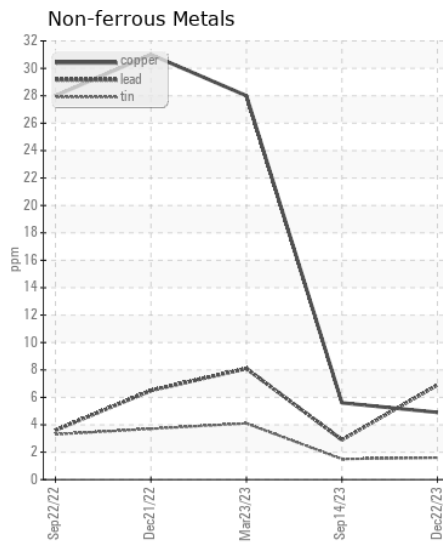
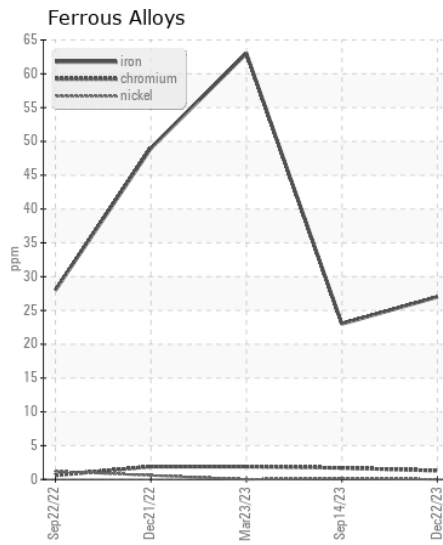
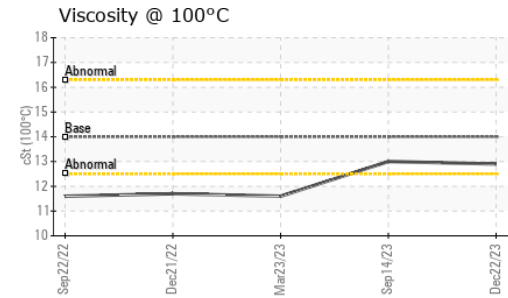
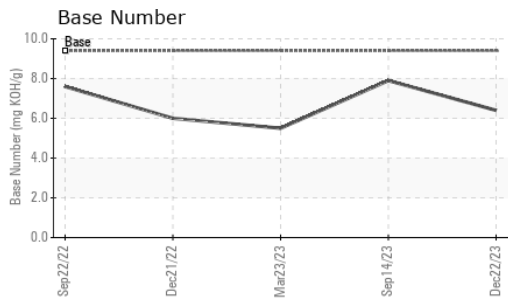
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>14</b>	15	44
Potassium	ppm	ASTM D5185m	>20	<b>26</b>	27	89
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>	0.5	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.3</b>	9.5	11.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.1</b>	22.5	24.9
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>	4	5
Boron	ppm	ASTM D5185m	0	<b>19</b>	27	18
Barium	ppm	ASTM D5185m	0	<b>0</b>	2	3
Molybdenum	ppm	ASTM D5185m	0	<b>38</b>	43	28
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	6
Magnesium	ppm	ASTM D5185m	0	<b>482</b>	511	664
Calcium	ppm	ASTM D5185m		<b>1612</b>	1665	1388
Phosphorus	ppm	ASTM D5185m		<b>646</b>	761	679
Zinc	ppm	ASTM D5185m		<b>899</b>	941	897
Sulfur	ppm	ASTM D5185m		<b>2433</b>	2851	3053
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>24.4</b>	21.6	21.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.4</b>	7.9	5.5
Visc @ 100°C	cSt	ASTM D445	14	<b>12.9</b>	13.0	▲ 11.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0016933 **Received** : 11 Jan 2024  
**Lab Number** : 06057794 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829176 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

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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)