



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**846-4944**  
 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>RPL0016904</b>	RPL0015122	RPL0011245
Sample Date		Client Info		<b>04 Jan 2024</b>	26 Sep 2023	16 Jun 2023
Machine Age	mls	Client Info		<b>52078</b>	40280	28615
Oil Age	mls	Client Info		<b>11798</b>	40280	28615
Filter Age	mls	Client Info		<b>11798</b>	40280	28615
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	ATTENTION

## WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	<b>11</b>	59	51
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	3
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>7</b>	27	30
Lead	ppm	ASTM D5185m	>40	<b>2</b>	13	10
Copper	ppm	ASTM D5185m	>330	<b>3</b>	26	26
Tin	ppm	ASTM D5185m	>15	<b>1</b>	5	4
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

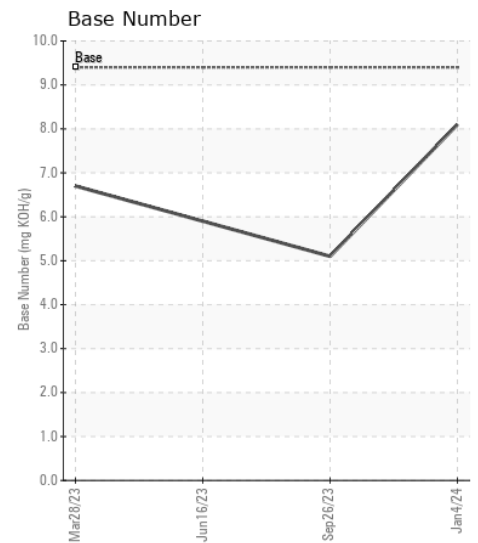
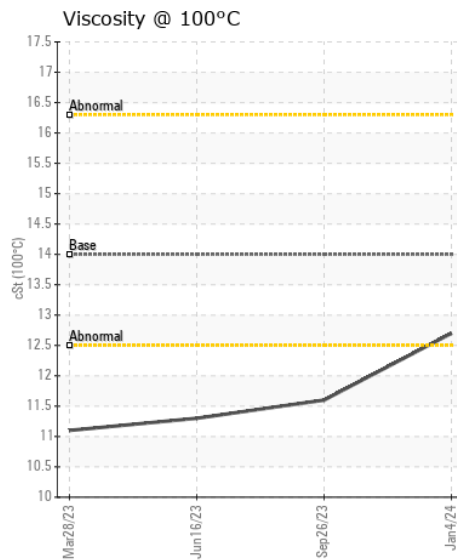
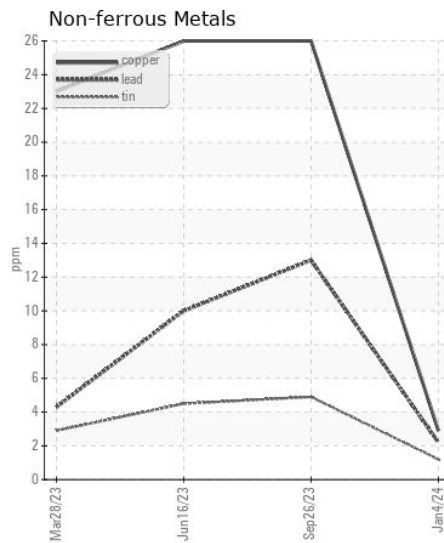
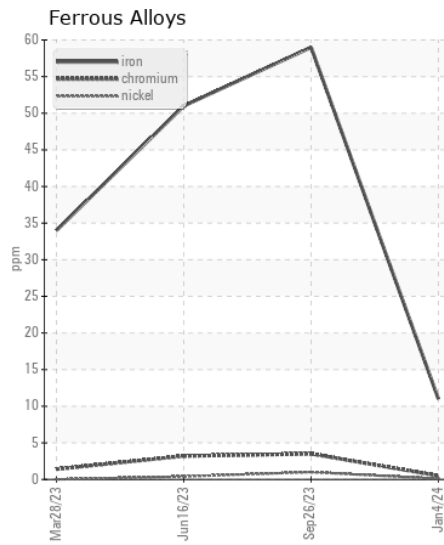
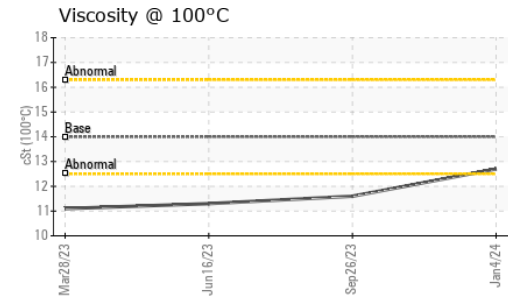
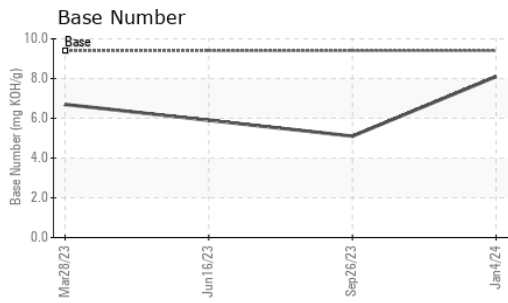
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	▲ 35	44
Potassium	ppm	ASTM D5185m	>20	<b>15</b>	96	97
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>0.2</b>	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.5</b>	11.5	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.2</b>	25.1	24.1
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>2</b>	7	6
Boron	ppm	ASTM D5185m	0	<b>60</b>	24	38
Barium	ppm	ASTM D5185m	0	<b>0</b>	5	5
Molybdenum	ppm	ASTM D5185m	0	<b>69</b>	16	19
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	6	6
Magnesium	ppm	ASTM D5185m	0	<b>603</b>	707	787
Calcium	ppm	ASTM D5185m		<b>1399</b>	1320	1434
Phosphorus	ppm	ASTM D5185m		<b>776</b>	714	756
Zinc	ppm	ASTM D5185m		<b>885</b>	860	903
Sulfur	ppm	ASTM D5185m		<b>2697</b>	2620	3415
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.5</b>	23.3	21.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.1</b>	5.1	5.9
Visc @ 100°C	cSt	ASTM D445	14	<b>12.7</b>	▲ 11.6	▲ 11.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0016904 **Received** : 17 Jan 2024  
**Lab Number** : 06063451 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10834833 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

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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