



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**846-5195**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021898</b>	RPL0019380	RPL0017373
Sample Date		Client Info		<b>29 Jun 2024</b>	02 Apr 2024	12 Jan 2024
Machine Age	mls	Client Info		<b>4369</b>	3329	1604
Oil Age	mls	Client Info		<b>1040</b>	3329	0
Filter Age	mls	Client Info		<b>1040</b>	3329	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>ATTENTION</b>	ATTENTION	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>34</b>	25	18
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>7</b>	6	3
Lead	ppm	ASTM D5185m	>40	<b>2</b>	2	<1
Copper	ppm	ASTM D5185m	>330	<b>12</b>	10	9
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

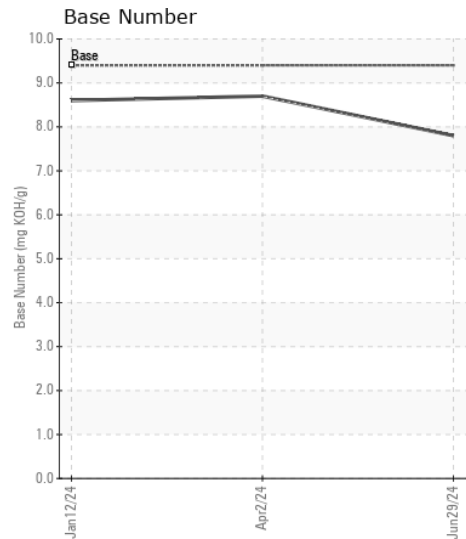
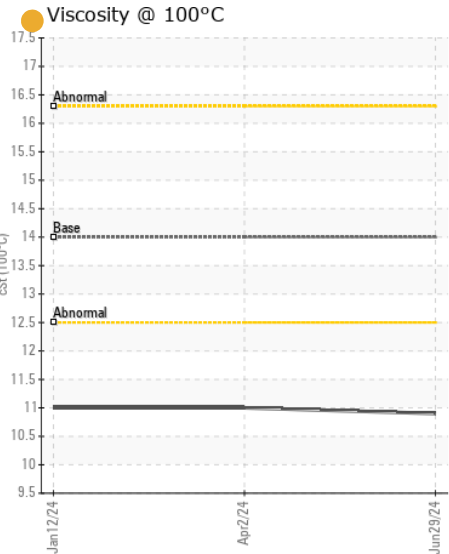
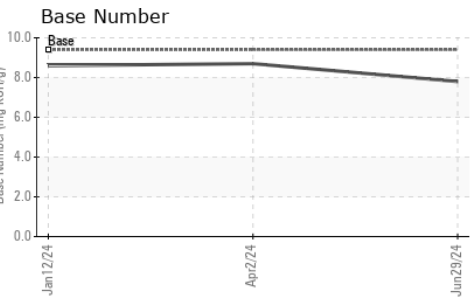
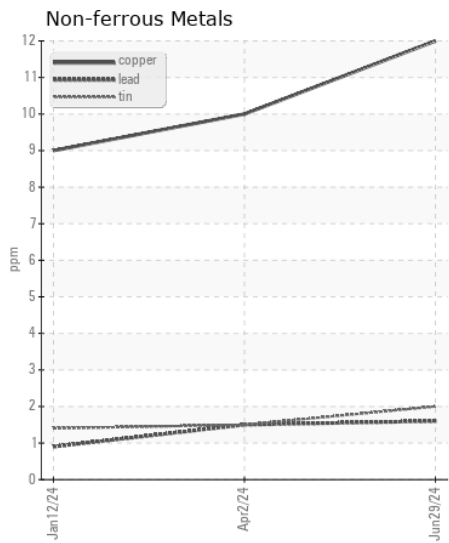
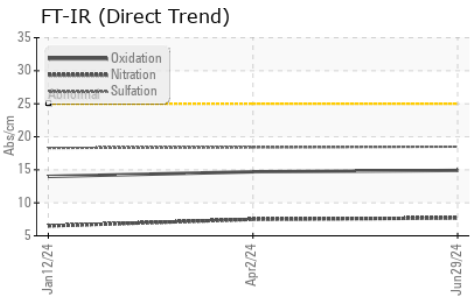
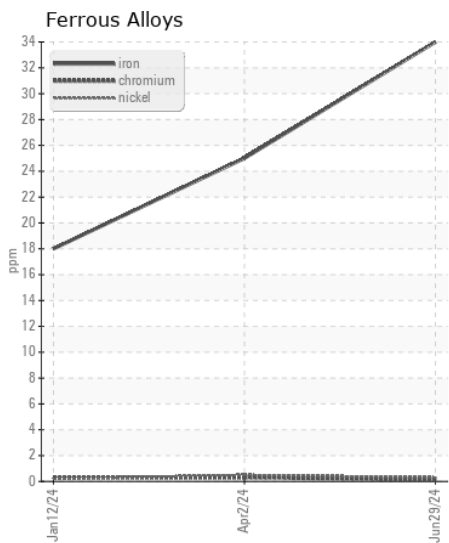
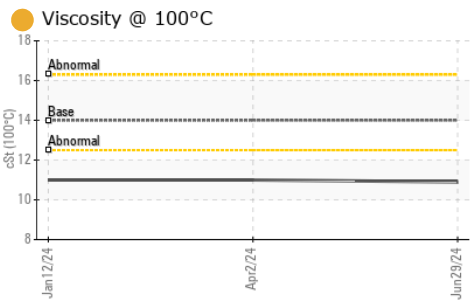
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>43</b>	42	36
Potassium	ppm	ASTM D5185m	>20	<b>38</b>	33	21
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	▲ 2.2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.7</b>	7.5	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.5</b>	18.4	18.3
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>4</b>	4	2
Boron	ppm	ASTM D5185m	0	<b>72</b>	80	79
Barium	ppm	ASTM D5185m	0	<b>0</b>	5	8
Molybdenum	ppm	ASTM D5185m	0	<b>13</b>	13	12
Manganese	ppm	ASTM D5185m		<b>4</b>	5	4
Magnesium	ppm	ASTM D5185m	0	<b>729</b>	756	659
Calcium	ppm	ASTM D5185m		<b>1259</b>	1331	1185
Phosphorus	ppm	ASTM D5185m		<b>736</b>	757	● 697
Zinc	ppm	ASTM D5185m		<b>857</b>	859	● 775
Sulfur	ppm	ASTM D5185m		<b>3506</b>	3545	2966
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.9</b>	14.7	14.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>7.8</b>	8.7	8.6
Visc @ 100°C	cSt	ASTM D445	14	● <b>10.9</b>	● 11.0	▲ 11.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021898 **Received** : 12 Jul 2024  
**Lab Number** : 06234473 **Tested** : 12 Jul 2024  
**Unique Number** : 11123307 **Diagnosed** : 14 Jul 2024 - Don Baldridge  
**Test Package** : FLEET

**RTL PACLEASE - 7006 - Pico Rivera**  
 7837 Telegraph Rd  
 Pico Rivera, CA  
 US 90660  
 Contact: GERARDO CARROLA  
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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)

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F: