



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**8464148**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

We advise that you check the fuel injection system. 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>RPL0021010</b>	RPL0017967	RPL0016790
Sample Date		Client Info		<b>31 May 2024</b>	28 Feb 2024	25 Nov 2023
Machine Age	mls	Client Info		<b>181537</b>	176701	172110
Oil Age	mls	Client Info		<b>4856</b>	8871	4280
Filter Age	mls	Client Info		<b>4856</b>	8871	4280
Oil Changed		Client Info		<b>Changed</b>	Filtered	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>15</b>	8	3
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	3	<1
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>2</b>	1	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
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

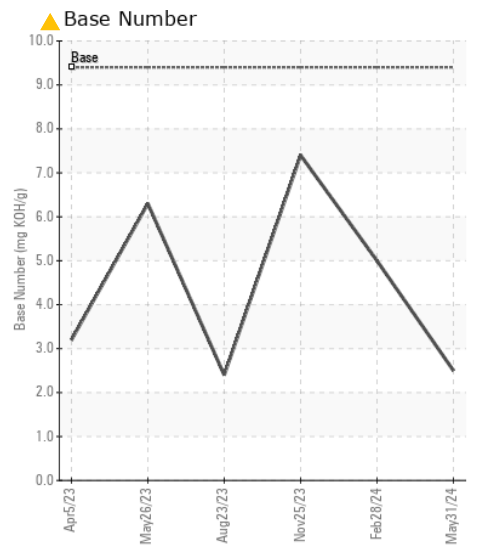
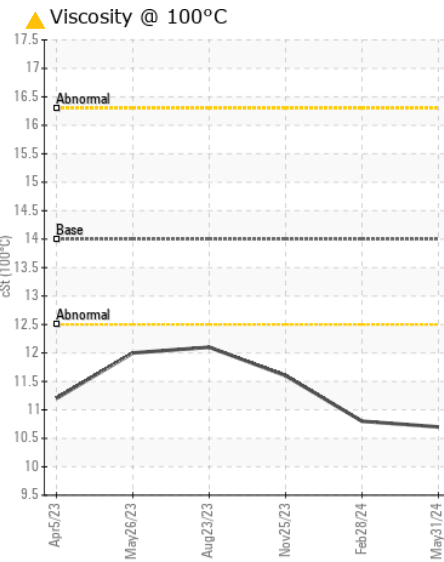
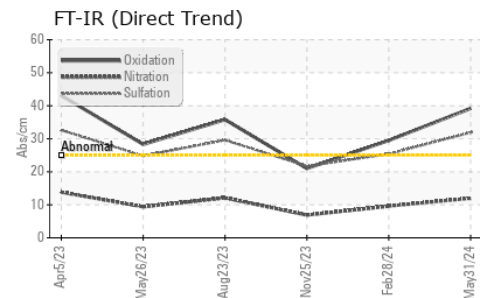
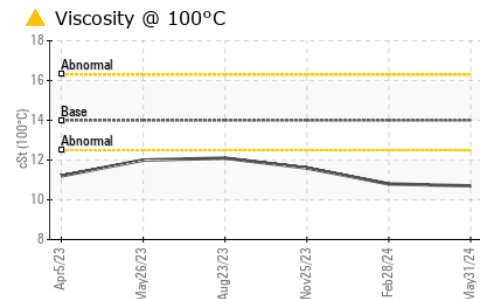
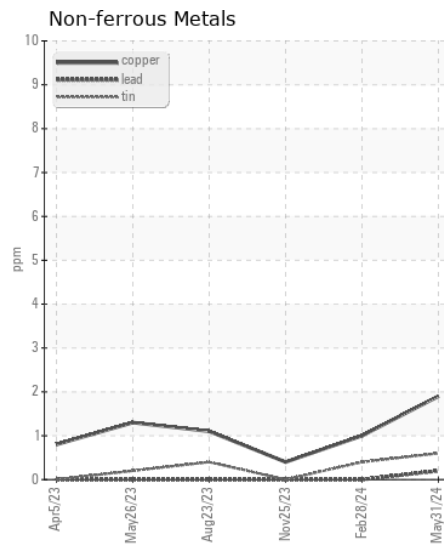
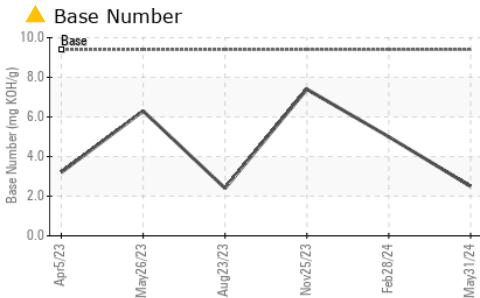
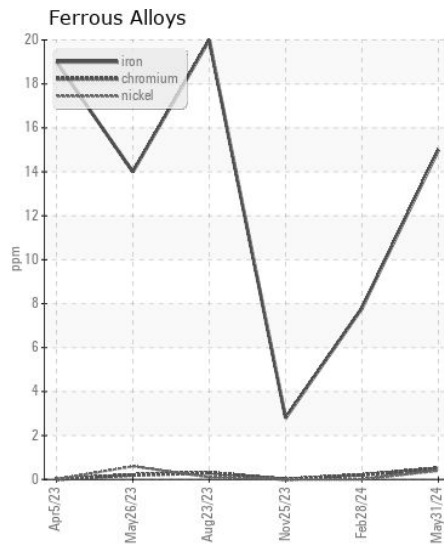
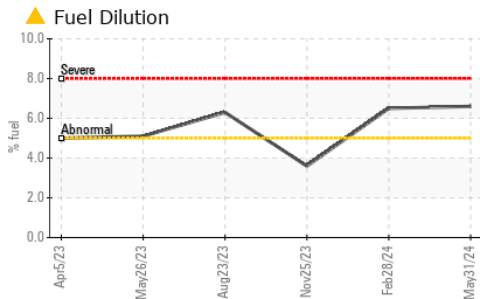
There is a moderate amount of fuel present in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	6	4
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	4	0
Fuel	%	ASTM D3524	>5	<b>▲ 6.6</b>	▲ 6.5	▲ 3.6
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	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.0</b>	9.6	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>31.9</b>	25.4	21.7
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

Fuel is present in the oil and is lowering the viscosity. The BN level is low.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	0
Boron	ppm	ASTM D5185m	0	<b>1</b>	1	0
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>57</b>	58	57
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>814</b>	845	931
Calcium	ppm	ASTM D5185m		<b>990</b>	998	998
Phosphorus	ppm	ASTM D5185m		<b>760</b>	844	931
Zinc	ppm	ASTM D5185m		<b>1066</b>	1134	1205
Sulfur	ppm	ASTM D5185m		<b>2997</b>	3117	3367
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>39.2</b>	29.5	21.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>▲ 2.5</b>	5.0	7.4
Visc @ 100°C	cSt	ASTM D445	14	<b>▲ 10.7</b>	▲ 10.8	▲ 11.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021010 **Received** : 18 Jun 2024  
**Lab Number** : 06213157 **Tested** : 20 Jun 2024  
**Unique Number** : 11086021 **Diagnosed** : 20 Jun 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: PercentFuel )

**RTL PACLEASE - 7006 - Pico Rivera**  
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 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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