



PacLease

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**139294**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC EXTREME 15W40 (11 GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

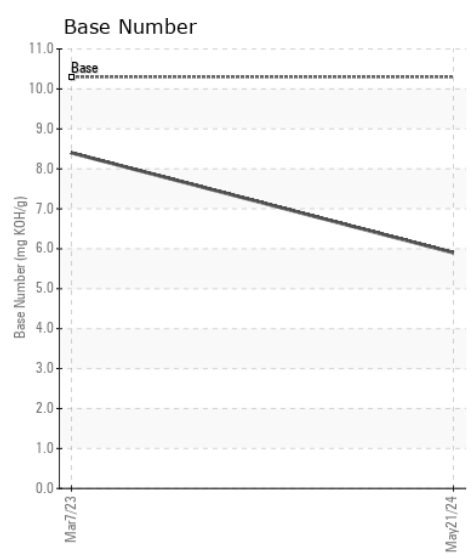
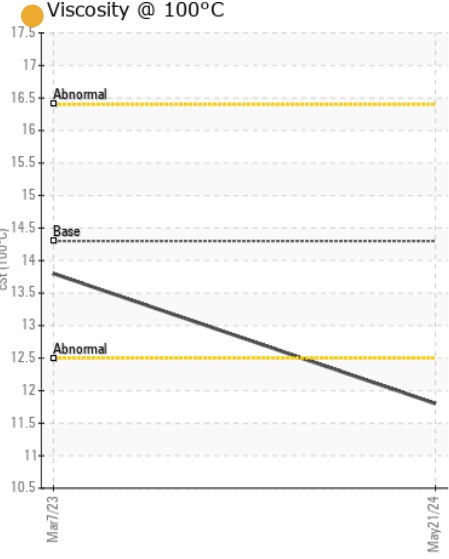
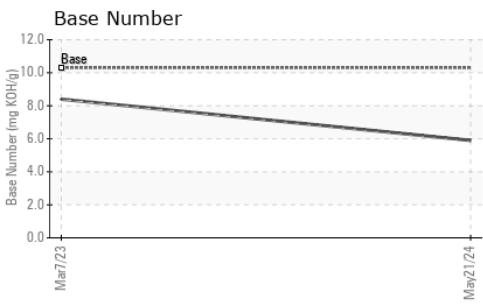
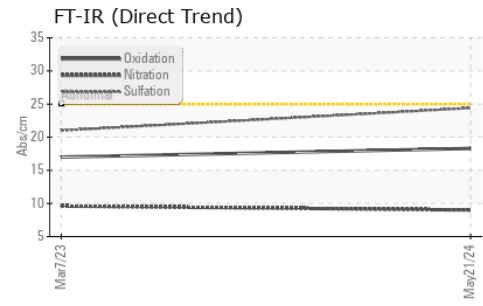
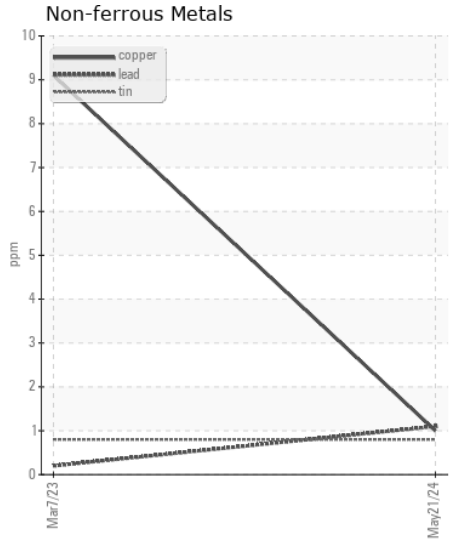
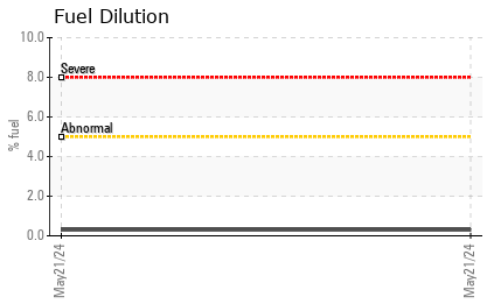
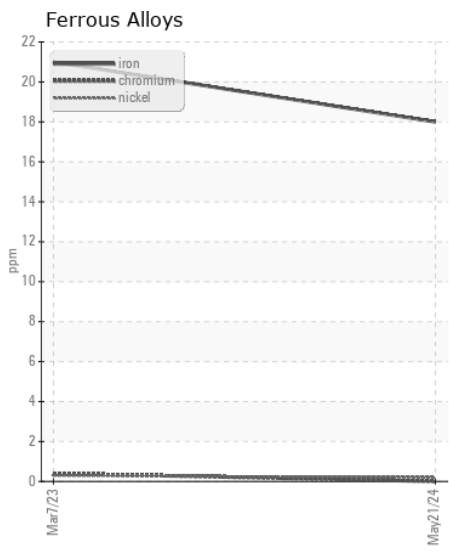
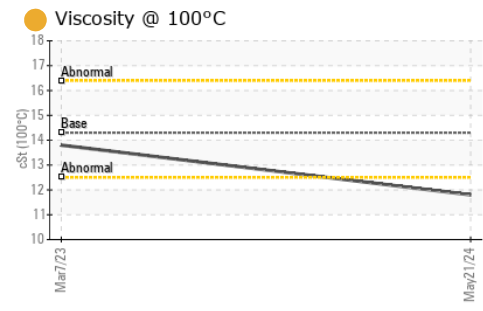
## CONTAMINATION

Fuel content negligible. There is no indication of any contamination in the oil.

## 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0008117</b>	RPL0008027	---
Sample Date		Client Info		<b>21 May 2024</b>	07 Mar 2023	---
Machine Age	hrs	Client Info		<b>6816</b>	213133	---
Oil Age	hrs	Client Info		<b>1070</b>	19426	---
Filter Age	hrs	Client Info		<b>1070</b>	19426	---
Oil Changed		Client Info		<b>Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Not Changed	---
Sample Status				<b>ATTENTION</b>	NORMAL	---
Iron	ppm	ASTM D5185m	>100	<b>18</b>	21	---
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>5</b>	7	---
Lead	ppm	ASTM D5185m	>40	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>1</b>	9	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>25	<b>9</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	9	---
Fuel	%	ASTM D3524	>5	<b>0.3</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.0</b>	9.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.4</b>	21.0	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>3</b>	1	---
Boron	ppm	ASTM D5185m		<b>143</b>	8	---
Barium	ppm	ASTM D5185m		<b>0</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>74</b>	59	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>502</b>	807	---
Calcium	ppm	ASTM D5185m		<b>1441</b>	1221	---
Phosphorus	ppm	ASTM D5185m		<b>1025</b>	972	---
Zinc	ppm	ASTM D5185m		<b>1214</b>	1170	---
Sulfur	ppm	ASTM D5185m		<b>3473</b>	3033	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.3</b>	17.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	<b>5.9</b>	8.4	---
Visc @ 100°C	cSt	ASTM D445	14.3	<b>11.8</b>	13.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0008117 **Received** : 29 May 2024  
**Lab Number** : 06193718 **Tested** : 03 Jun 2024  
**Unique Number** : 11050470 **Diagnosed** : 03 Jun 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**RTL PACLEASE - 7017 - Oklahoma City**  
 8700 West I-40  
 Oklahoma City, OK  
 US 73128  
 Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.com

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)