



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**846-4840**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0011474</b>	RPL0016120	RPL0009133
Sample Date		Client Info		<b>20 Feb 2024</b>	29 Nov 2023	05 Apr 2023
Machine Age	mls	Client Info		<b>0</b>	0	0
Oil Age	mls	Client Info		<b>24015</b>	13969	27376
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>32</b>	16	43
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	<1	2
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>12</b>	5	22
Lead	ppm	ASTM D5185m	>40	<b>14</b>	5	9
Copper	ppm	ASTM D5185m	>330	<b>3</b>	2	8
Tin	ppm	ASTM D5185m	>15	<b>3</b>	1	3
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

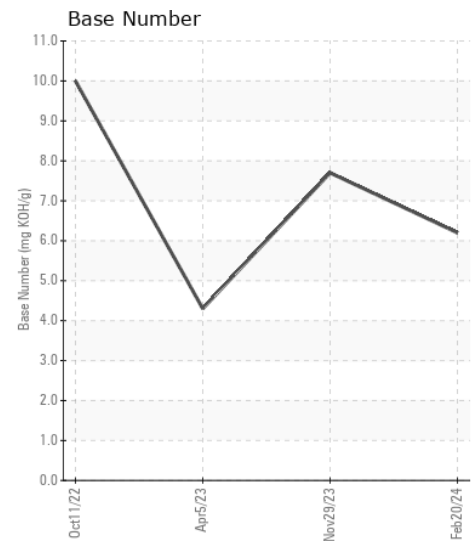
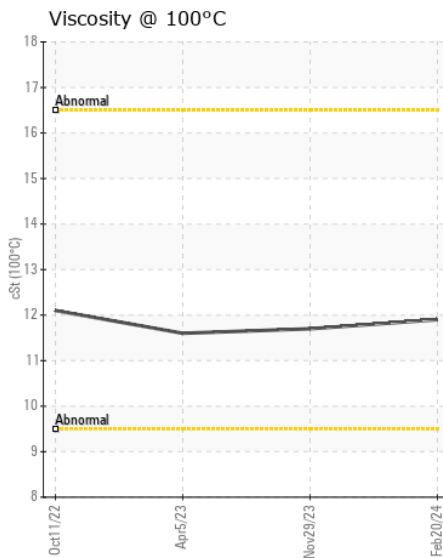
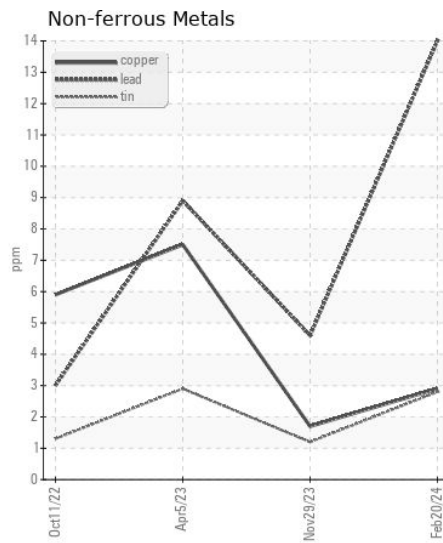
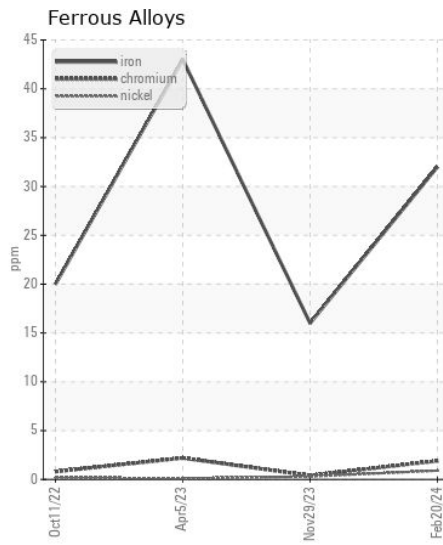
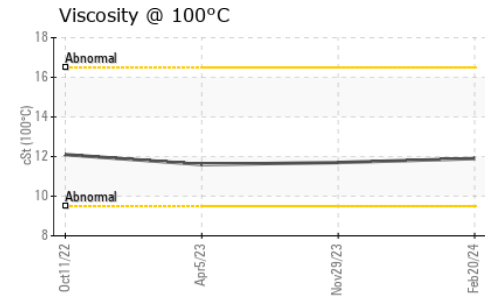
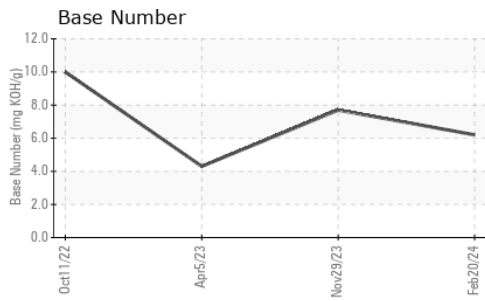
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>11</b>	6	14
Potassium	ppm	ASTM D5185m	>20	<b>24</b>	13	64
Fuel		WC Method	>5	<b>&lt;1.0</b>	▲ 4.1	▲ 6.7
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>	0.3	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.9</b>	9.3	11.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.5</b>	23.8	24.6
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	>75	<b>4</b>	<1	2
Boron	ppm	ASTM D5185m		<b>29</b>	● 26	21
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>61</b>	● 41	48
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>676</b>	474	486
Calcium	ppm	ASTM D5185m		<b>2149</b>	1584	1598
Phosphorus	ppm	ASTM D5185m		<b>981</b>	744	689
Zinc	ppm	ASTM D5185m		<b>1247</b>	880	893
Sulfur	ppm	ASTM D5185m		<b>3264</b>	● 2504	2209
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>26.8</b>	24.5	29.0
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.2</b>	7.7	4.3
Visc @ 100°C	cSt	ASTM D445		<b>11.9</b>	11.7	11.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : RPL0011474

**Lab Number** : 06105776

**Unique Number** : 10909273

**Test Package** : FLEET

**Received** : 01 Mar 2024

**Tested** : 02 Mar 2024

**Diagnosed** : 05 Mar 2024 - Sean Felton

**RTL PACLEASE - 7007 - Fontana**

3121 South Riverside

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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)