



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 846-4363**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1 5W40 (11 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0017580</b>	RPL0016289	RPL0013461
Sample Date		Client Info		<b>26 Jan 2024</b>	31 Oct 2023	20 Jul 2023
Machine Age	mls	Client Info		<b>182796</b>	175299	166236
Oil Age	mls	Client Info		<b>7497</b>	9063	11691
Filter Age	mls	Client Info		<b>7497</b>	9063	11691
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	<b>13</b>	12	19
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	2
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>85	<b>1</b>	0	2
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

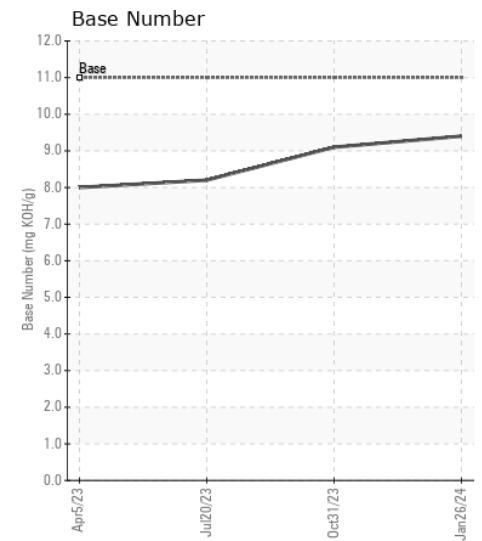
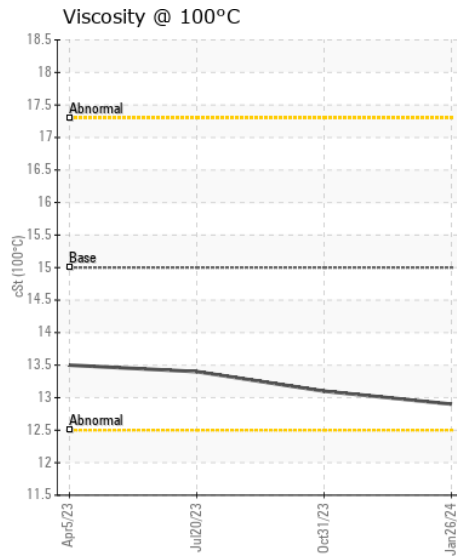
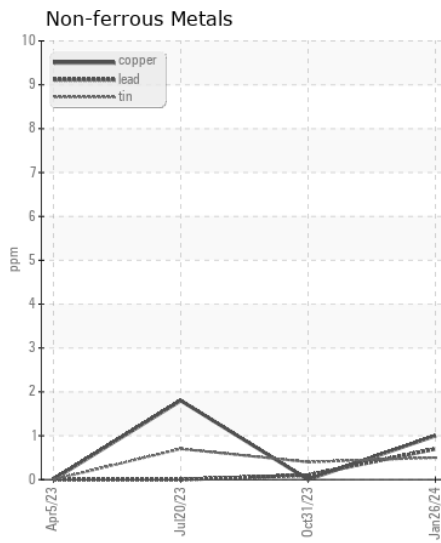
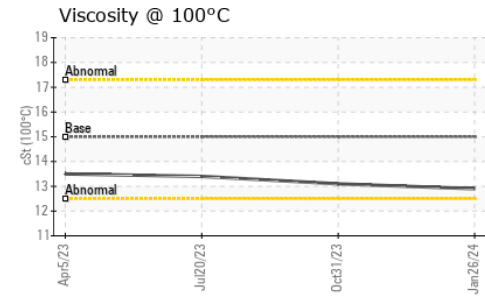
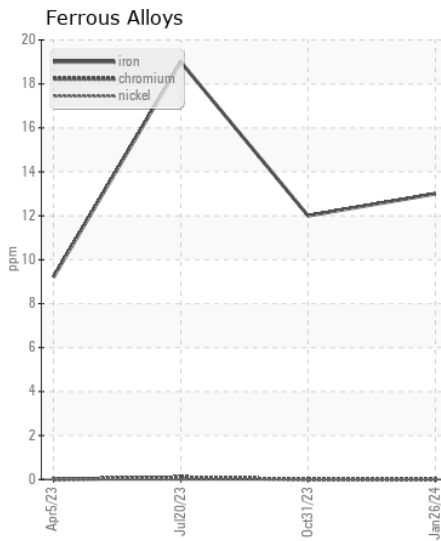
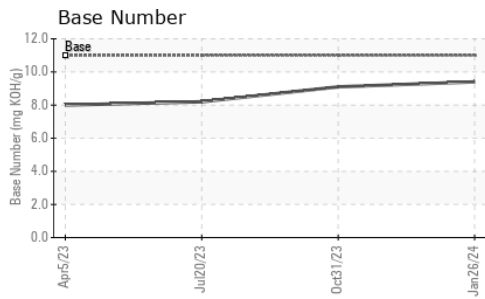
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>4</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	0
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>0.7</b>	0.5	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.8</b>	8.6	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.1</b>	21.6	21.4
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>0</b>	<1	2
Boron	ppm	ASTM D5185m	291	<b>1</b>	3	0
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	8.0	<b>63</b>	60	65
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	624	<b>954</b>	994	1027
Calcium	ppm	ASTM D5185m	2158	<b>1098</b>	1066	1163
Phosphorus	ppm	ASTM D5185m	1132	<b>1043</b>	1086	1076
Zinc	ppm	ASTM D5185m	1300	<b>1247</b>	1339	1306
Sulfur	ppm	ASTM D5185m	3616	<b>3395</b>	3260	3684
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.0</b>	18.3	19.3
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	<b>9.4</b>	9.1	8.2
Visc @ 100°C	cSt	ASTM D445	15.0	<b>12.9</b>	13.1	13.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0017580  
**Lab Number** : 06083369  
**Unique Number** : 10870814  
**Test Package** : FLEET

**Received** : 08 Feb 2024  
**Tested** : 08 Feb 2024  
**Diagnosed** : 08 Feb 2024 - Wes Davis

**RTL PACLEASE - 7006 - Pico Rivera**  
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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)