



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 957-1490 Triple S Steel**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC MX 15W40 (40 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0016486</b>	RPL0012107	RPL0006758
Sample Date		Client Info		<b>03 May 2024</b>	14 Apr 2023	26 Jan 2023
Machine Age	mls	Client Info		<b>188061</b>	150810	140301
Oil Age	mls	Client Info		<b>0</b>	20919	5952
Filter Age	mls	Client Info		<b>0</b>	20919	5952
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>21</b>	11	7
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	4	4
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	1	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<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.

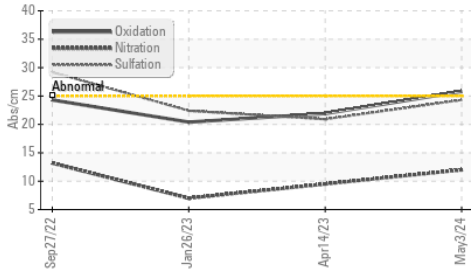
Silicon	ppm	ASTM D5185m	>25	<b>8</b>	7	7
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	7	3
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.0</b>	9.5	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.3</b>	20.9	22.4
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

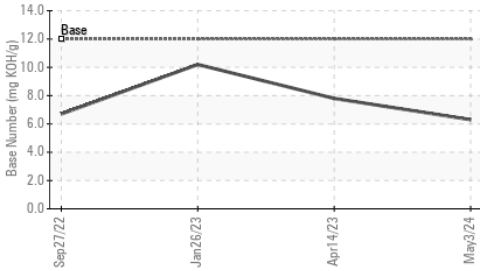
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>3</b>	2	3
Boron	ppm	ASTM D5185m		<b>26</b>	32	60
Barium	ppm	ASTM D5185m		<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>43</b>	37	39
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>519</b>	486	494
Calcium	ppm	ASTM D5185m		<b>1740</b>	1644	1650
Phosphorus	ppm	ASTM D5185m		<b>853</b>	634	740
Zinc	ppm	ASTM D5185m		<b>984</b>	864	903
Sulfur	ppm	ASTM D5185m		<b>2804</b>	2329	2785
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>25.8</b>	21.9	20.4
Base Number (BN)	mg KOH/g	ASTM D2896	12	<b>6.3</b>	7.8	10.2
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.7</b>	13.4	13.0

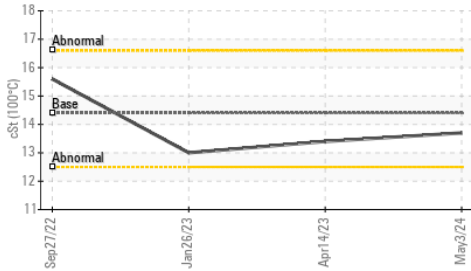
**FT-IR (Direct Trend)**



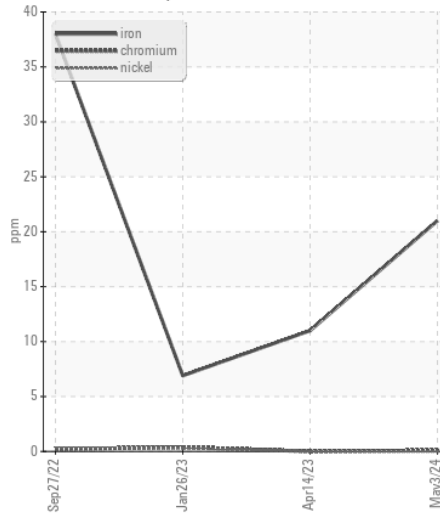
**Base Number**



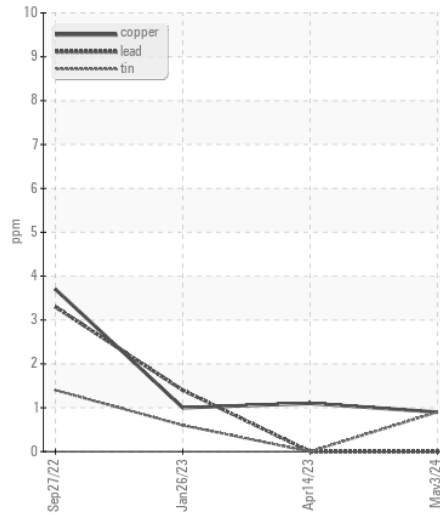
**Viscosity @ 100°C**



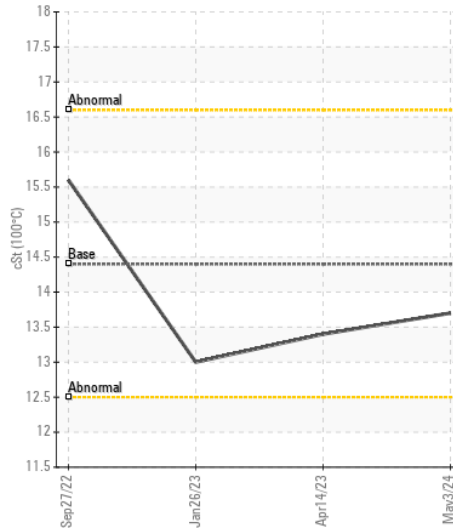
**Ferrous Alloys**



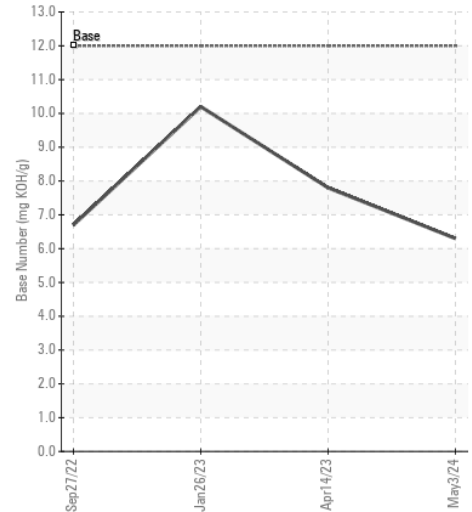
**Non-ferrous Metals**



**Viscosity @ 100°C**



**Base Number**



Certificate L2367

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

**Sample No.** : RPL0016486

**Lab Number** : 06178412

**Unique Number** : 11029738

**Test Package** : FLEET

**Received** : 14 May 2024

**Tested** : 14 May 2024

**Diagnosed** : 16 May 2024 - Sean Felton

**RTL PACLEASE - 7002 - San Antonio**

8810 IH-10 Frontage Road

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US 78109

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F:

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)