



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

# OIL ANALYSIS REPORT

Area

[44885813]

Machine Id

**PETERBILT 9571532 Texas Enterprises**

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>RPL0016511</b>	RPL0016433	RPL0013673
Sample Date		Client Info		<b>05 Jun 2024</b>	12 Feb 2024	19 Oct 2023
Machine Age	mls	Client Info		<b>502598</b>	477485	452168
Oil Age	mls	Client Info		<b>50682</b>	25569	37347
Filter Age	mls	Client Info		<b>50682</b>	25569	37347
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>30</b>	17	18
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
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>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	5	5
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m	>330	<b>3</b>	2	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

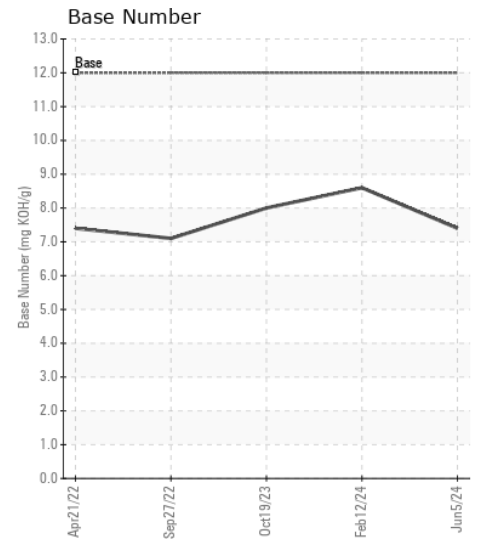
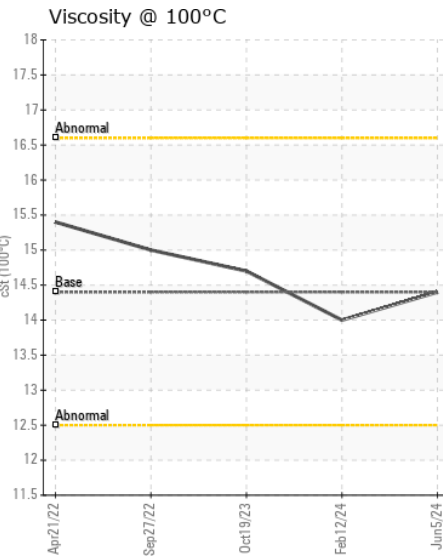
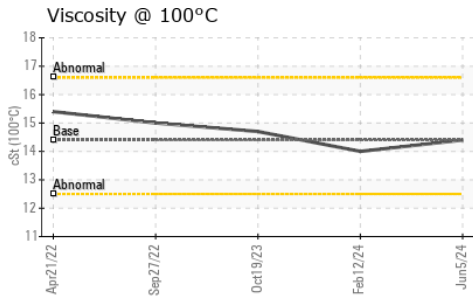
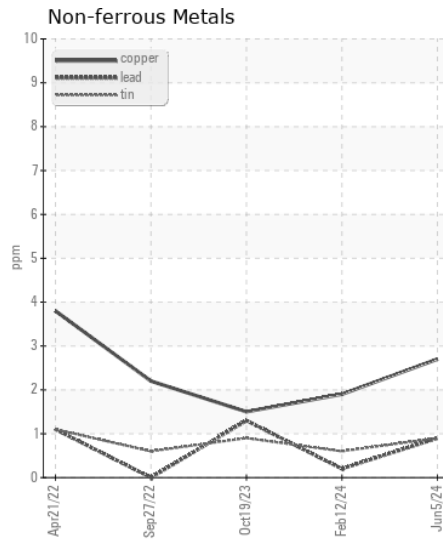
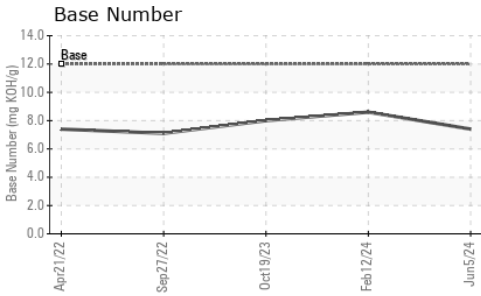
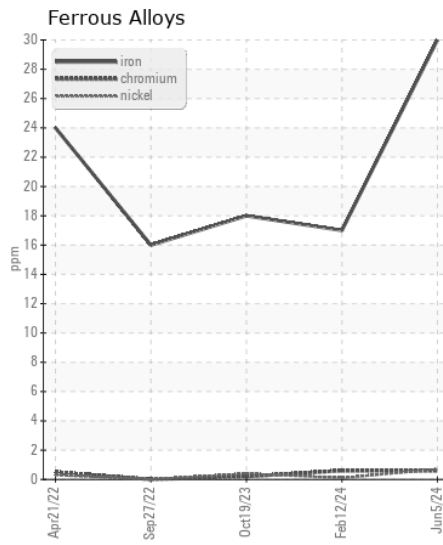
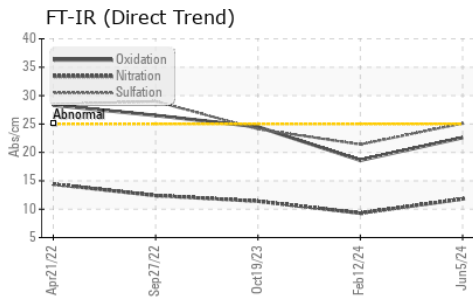
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	8	9
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	11	8
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>0.8</b>	0.5	0.8
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.8</b>	9.3	11.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.1</b>	21.4	24.1
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>5</b>	5	8
Boron	ppm	ASTM D5185m		<b>12</b>	13	20
Barium	ppm	ASTM D5185m		<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>58</b>	58	45
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>806</b>	858	553
Calcium	ppm	ASTM D5185m		<b>1533</b>	1429	1656
Phosphorus	ppm	ASTM D5185m		<b>997</b>	1042	795
Zinc	ppm	ASTM D5185m		<b>1216</b>	1222	937
Sulfur	ppm	ASTM D5185m		<b>2645</b>	3199	2113
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.6</b>	18.6	24.5
Base Number (BN)	mg KOH/g	ASTM D2896	12	<b>7.4</b>	8.6	8.0
Visc @ 100°C	cSt	ASTM D445	14.4	<b>14.4</b>	14.0	14.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0016511  
**Lab Number** : 06219332  
**Unique Number** : 11097529  
**Test Package** : FLEET

**Received** : 25 Jun 2024  
**Tested** : 25 Jun 2024  
**Diagnosed** : 25 Jun 2024 - Wes Davis

**RTL PACLEASE - 7002 - San Antonio**  
 8810 IH-10 Frontage Road  
 Converse, TX  
 US 78109

Contact: Mike Friel  
 FrielM@RushEnterprises.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)

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F: