



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

# OIL ANALYSIS REPORT

Area  
**{UNASSIGNED}**

Machine Id  
**PETERBILT 8464455**

Component  
**Diesel Engine**

Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (18 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021916</b>	RPL0019444	RPL0016822
Sample Date		Client Info		<b>25 Jun 2024</b>	07 Mar 2024	12 Dec 2023
Machine Age	mls	Client Info		<b>179666</b>	170386	164650
Oil Age	mls	Client Info		<b>0</b>	5736	26784
Filter Age	mls	Client Info		<b>0</b>	5736	26784
Oil Changed		Client Info		<b>Not Changd</b>	Filtered	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>27</b>	12	32
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>7</b>	5	6
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>1</b>	<1	4
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

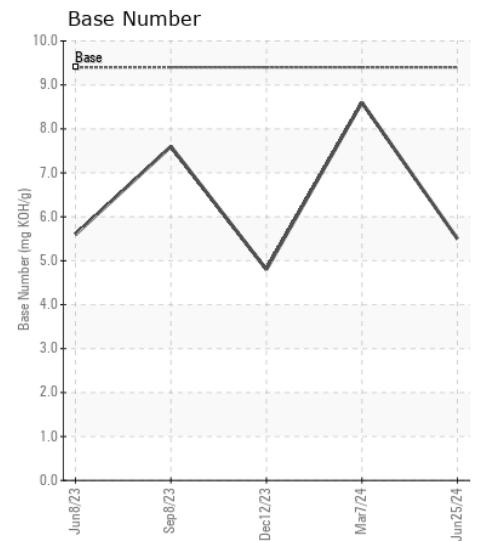
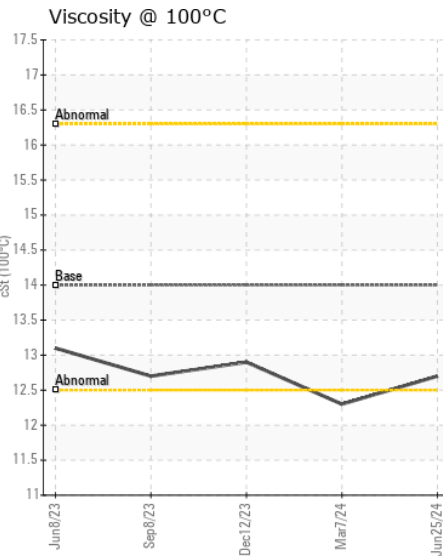
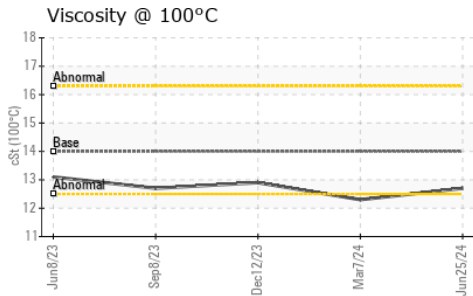
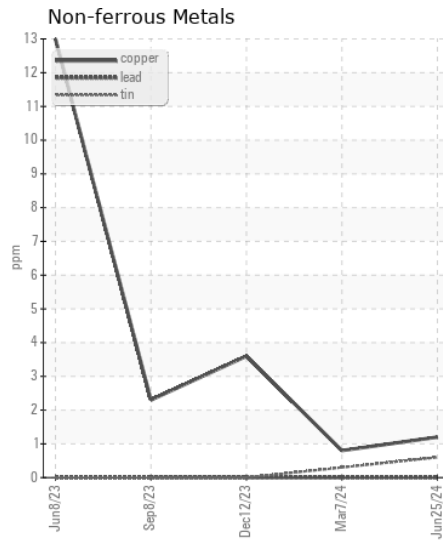
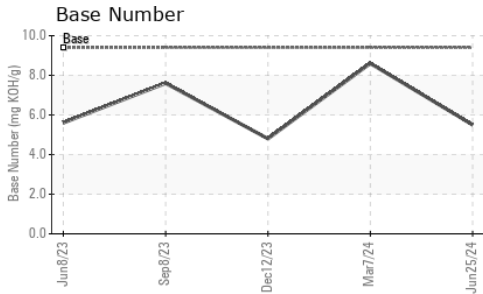
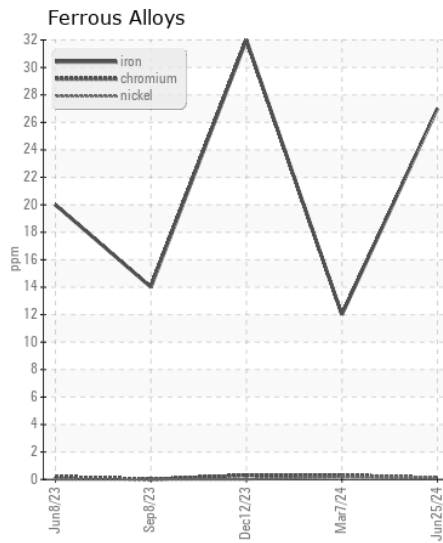
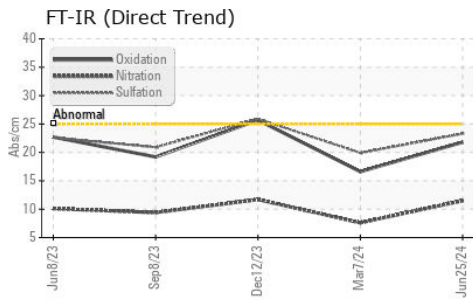
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	10	15
Fuel		WC Method	>5	<b>&lt;1.0</b>	▲ 2.9	<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>0.4</b>	0.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.5</b>	7.6	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.3</b>	19.9	25.9
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>1</b>	<1	0
Boron	ppm	ASTM D5185m	0	<b>4</b>	3	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>63</b>	62	63
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	0	<b>967</b>	● 963	948
Calcium	ppm	ASTM D5185m		<b>1120</b>	● 1101	1072
Phosphorus	ppm	ASTM D5185m		<b>1013</b>	1055	871
Zinc	ppm	ASTM D5185m		<b>1328</b>	1286	1214
Sulfur	ppm	ASTM D5185m		<b>3802</b>	3531	3216
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.8</b>	16.6	25.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.5</b>	8.6	4.8
Visc @ 100°C	cSt	ASTM D445	14	<b>12.7</b>	12.3	12.9



Certificate L2367

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

**Sample No.** : RPL0021916

**Lab Number** : 06234464

**Unique Number** : 11123298

**Test Package** : FLEET

**Received** : 12 Jul 2024

**Tested** : 12 Jul 2024

**Diagnosed** : 14 Jul 2024 - Don Baldrige

**RTL PACLEASE - 7006 - Pico Rivera**

7837 Telegraph Rd

Pico Rivera, CA

US 90660

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T:

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)