



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	ABNORMAL

Machine Id  
**PETERBILT 846-4555**  
Component  
**1 Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0017356</b>	RPL0015548	RPL0013070
Sample Date		Client Info		<b>03 Jan 2024</b>	27 Sep 2023	19 Jun 2023
Machine Age	mls	Client Info		<b>47380</b>	43797	37944
Oil Age	mls	Client Info		<b>13848</b>	10265	4412
Filter Age	mls	Client Info		<b>13848</b>	10265	4412
Oil Changed		Client Info		<b>Not Changd</b>	Filtered	Filtered
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>SEVERE</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	<b>15</b>	11	3
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>6</b>	0	2
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>85	<b>8</b>	7	2
Tin	ppm	ASTM D5185m	>4	<b>0</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

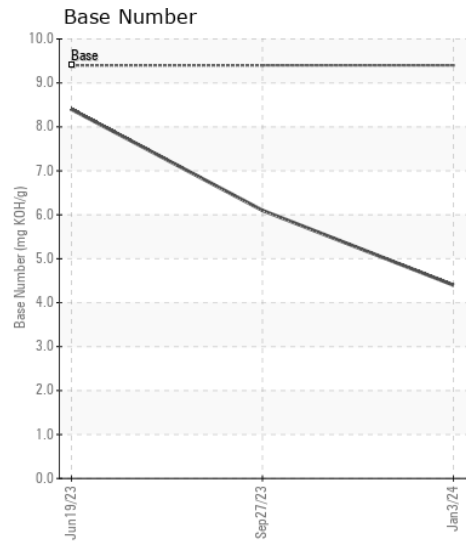
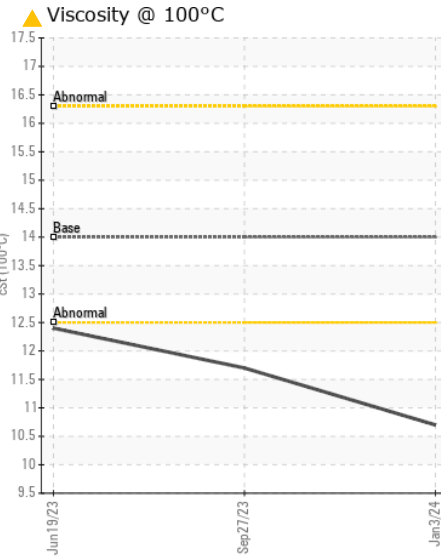
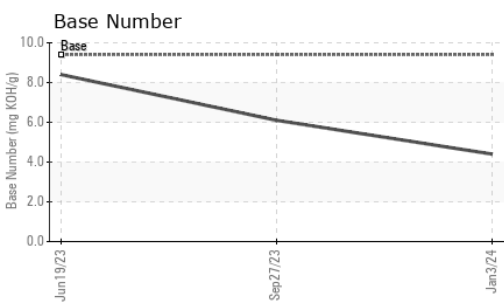
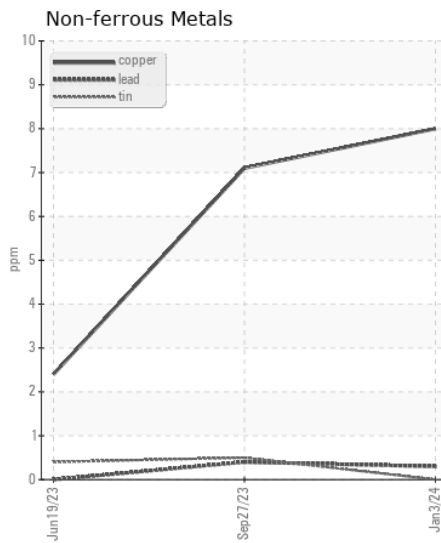
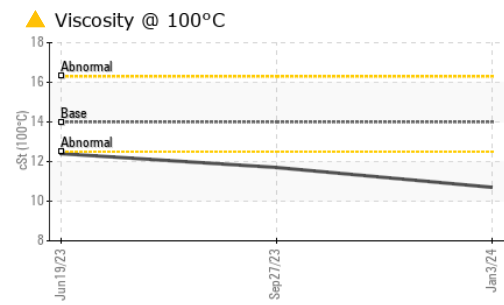
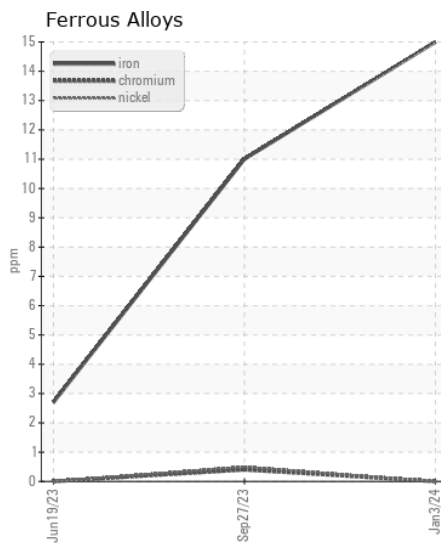
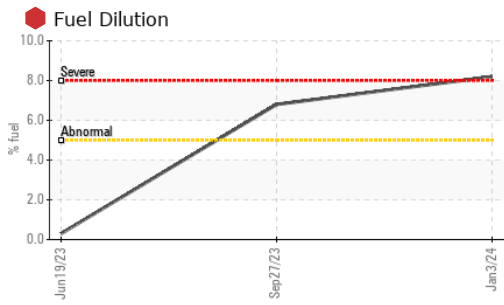
There is a high amount of fuel present in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>4</b>	4	2
Potassium	ppm	ASTM D5185m	>20	<b>18</b>	17	2
Fuel	%	ASTM D3524	>5	<b>8.2</b>	6.8	0.3
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>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.0</b>	8.1	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.5</b>	21.1	18.6
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

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		<b>2</b>	0	<1
Boron	ppm	ASTM D5185m	0	<b>4</b>	1	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	0	<b>49</b>	55	59
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>804</b>	760	931
Calcium	ppm	ASTM D5185m		<b>905</b>	926	1016
Phosphorus	ppm	ASTM D5185m		<b>690</b>	829	957
Zinc	ppm	ASTM D5185m		<b>1007</b>	978	1160
Sulfur	ppm	ASTM D5185m		<b>2442</b>	2469	3405
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>28.1</b>	20.9	15.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>4.4</b>	6.1	8.4
Visc @ 100°C	cSt	ASTM D445	14	<b>10.7</b>	11.7	12.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0017356 **Received** : 11 Jan 2024  
**Lab Number** : 06057821 **Diagnosed** : 14 Jan 2024  
**Unique Number** : 10829203 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET ( Additional Tests: PercentFuel )

**RTL PACLEASE - 7006 - Pico Rivera**  
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 Pico Rivera, CA  
 US 90660  
 Contact: Rudy Trevizo  
 TrevizoR@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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