



# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 8464539**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021995</b>	RPL0017490	RPL0009138
Sample Date		Client Info		<b>11 Jul 2024</b>	06 Feb 2024	16 Mar 2023
Machine Age	mls	Client Info		<b>110263</b>	8000	0
Oil Age	mls	Client Info		<b>8762</b>	8000	16875
Filter Age	mls	Client Info		<b>8762</b>	8000	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	<b>11</b>	10	24
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	5	7
Lead	ppm	ASTM D5185m	>45	<b>0</b>	1	<1
Copper	ppm	ASTM D5185m	>85	<b>2</b>	3	6
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

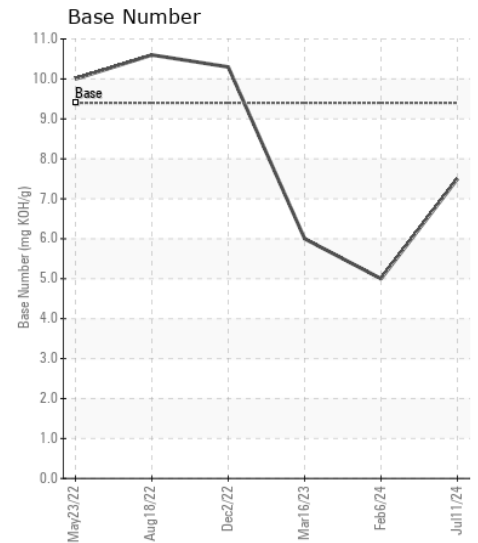
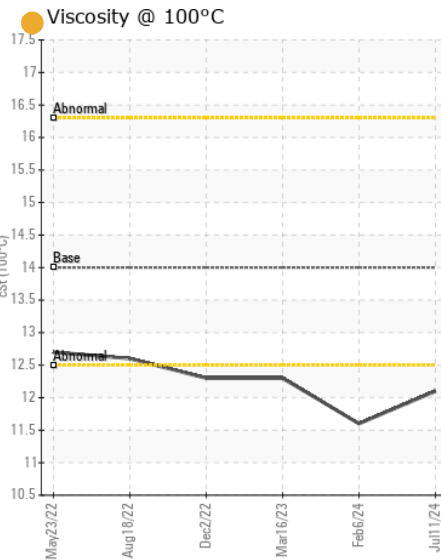
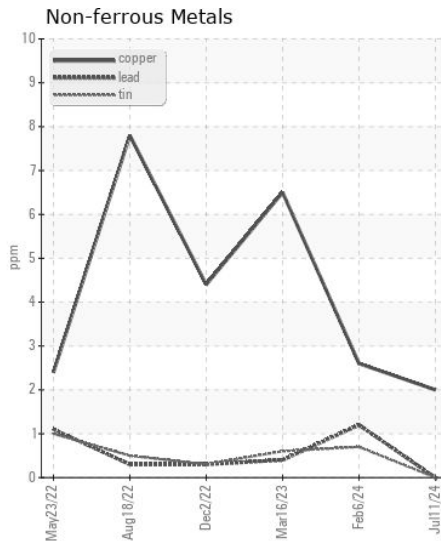
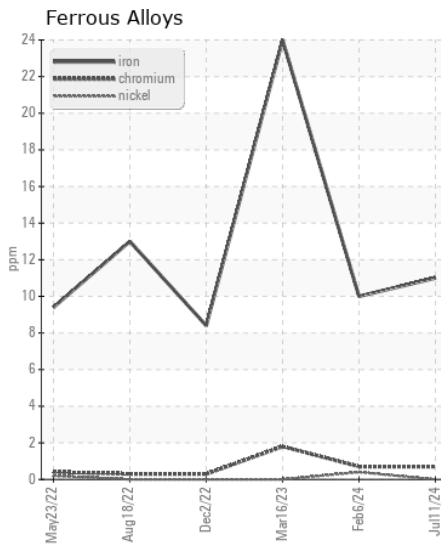
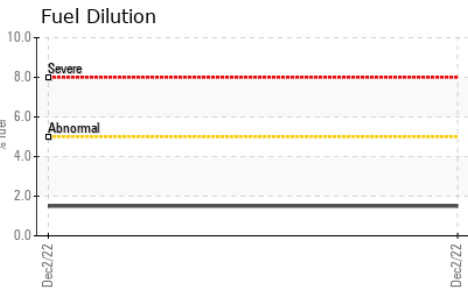
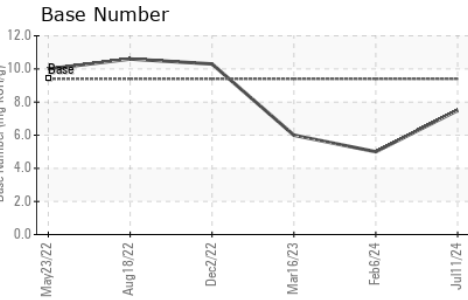
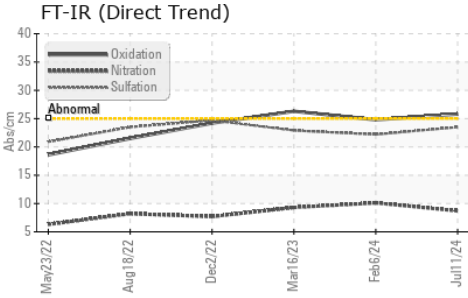
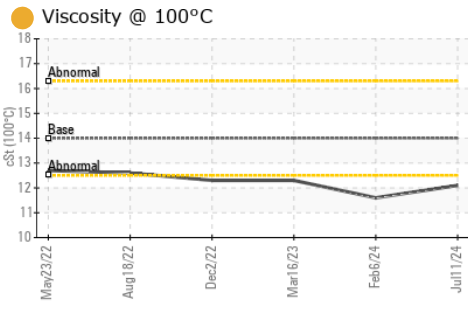
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>5</b>	5	8
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	5	14
Fuel	%	ASTM D3524	>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>0.2</b>	0.2	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.7</b>	10.1	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.5</b>	22.2	22.9
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Boron	ppm	ASTM D5185m	0	<b>47</b>	64	35
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	0	<b>57</b>	102	52
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>522</b>	615	471
Calcium	ppm	ASTM D5185m		<b>1599</b>	1308	1624
Phosphorus	ppm	ASTM D5185m		<b>756</b>	689	696
Zinc	ppm	ASTM D5185m		<b>915</b>	866	915
Sulfur	ppm	ASTM D5185m		<b>2397</b>	2919	2273
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>25.8</b>	24.8	26.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>7.5</b>	5.0	6.0
Visc @ 100°C	cSt	ASTM D445	14	<b>12.1</b>	11.6	12.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021995 **Received** : 12 Jul 2024  
**Lab Number** : 06234511 **Tested** : 12 Jul 2024  
**Unique Number** : 11123345 **Diagnosed** : 15 Jul 2024 - Don Baldridge  
**Test Package** : FLEET ( Additional Tests: FuelDilution )

**RTL PACLEASE - 7007 - Fontana**  
 3121 South Riverside  
 Bloomington, CA  
 US 92316  
 Contact: Rudy Trevizo  
 TrevizoR@RushEnterprises.Com  
 T: (909)829-1044  
 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)