



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**PETERBILT 859-1727**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (24 QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0020362</b>	RPL0017893	RPL0016336
Sample Date		Client Info		<b>30 Apr 2024</b>	15 Feb 2024	16 Nov 2023
Machine Age	mls	Client Info		<b>186826</b>	180757	173509
Oil Age	mls	Client Info		<b>13317</b>	15760	19996
Filter Age	mls	Client Info		<b>13317</b>	15760	19996
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	<b>14</b>	28	4
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	1	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	9	1
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	2	0
Copper	ppm	ASTM D5185m	>330	<b>5</b>	25	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

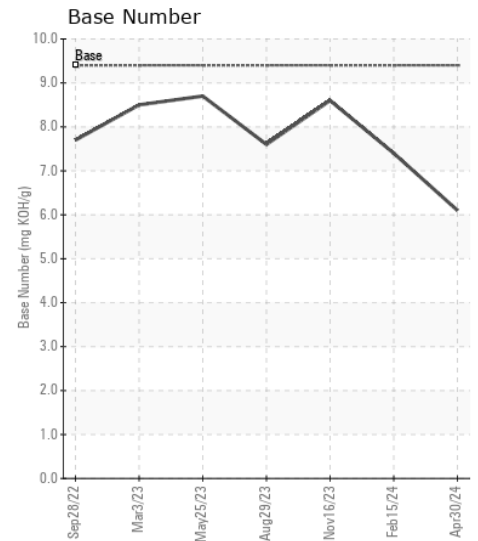
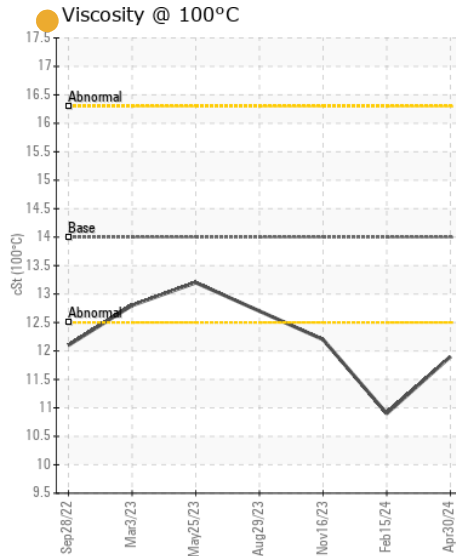
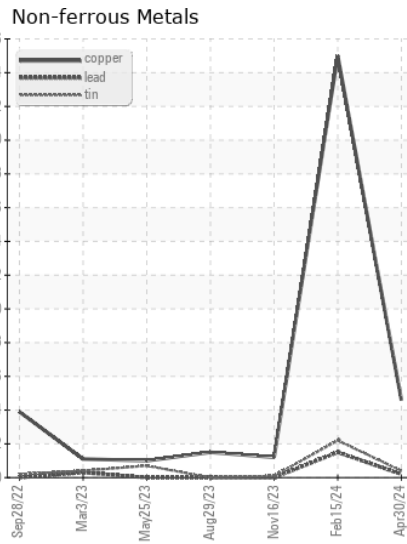
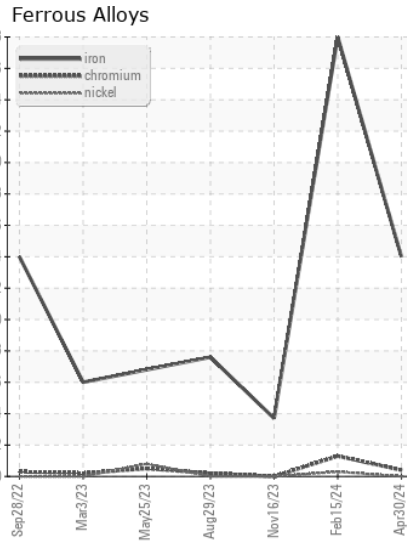
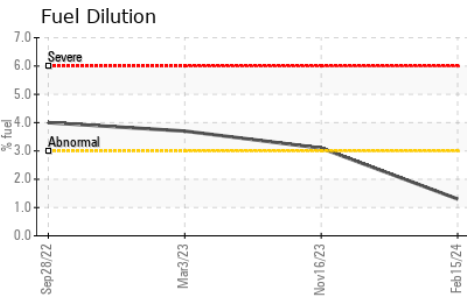
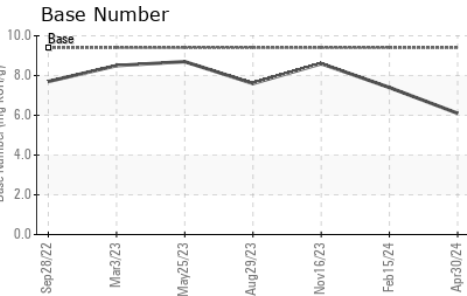
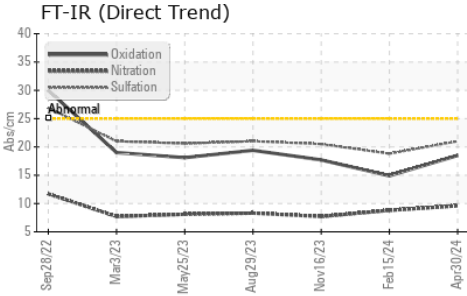
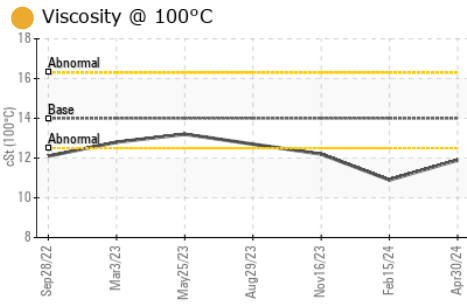
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	40	3
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	36	2
Fuel	%	ASTM D3524	>3.0	<b>&lt;1.0</b>	1.3	3.1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>6	<b>0.4</b>	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.6</b>	8.8	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.0</b>	18.8	20.5
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>1</b>	0	<1
Boron	ppm	ASTM D5185m	0	<b>0</b>	70	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	5	0
Molybdenum	ppm	ASTM D5185m	0	<b>60</b>	8	55
Manganese	ppm	ASTM D5185m		<b>0</b>	4	0
Magnesium	ppm	ASTM D5185m	0	<b>873</b>	617	920
Calcium	ppm	ASTM D5185m		<b>1020</b>	1099	1026
Phosphorus	ppm	ASTM D5185m		<b>1024</b>	649	1054
Zinc	ppm	ASTM D5185m		<b>1157</b>	684	1190
Sulfur	ppm	ASTM D5185m		<b>3212</b>	2575	2952
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.5</b>	14.9	17.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.1</b>	7.4	8.6
Visc @ 100°C	cSt	ASTM D445	14	<b>11.9</b>	10.9	12.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0020362  
**Lab Number** : 06185860  
**Unique Number** : 11042612  
**Test Package** : FLEET ( Additional Tests: FuelDilution )

**RTL PACLEASE - 7006 - Pico Rivera**  
 7837 Telegraph Rd  
 Pico Rivera, CA  
 US 90660  
 Contact: GERARDO CARROLA  
 carrolag@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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