



# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 8464107**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (19 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021030</b>	RPL0017963	RPL0016338
Sample Date		Client Info		<b>05 Jun 2024</b>	29 Feb 2024	16 Nov 2023
Machine Age	mls	Client Info		<b>178333</b>	176112	169176
Oil Age	mls	Client Info		<b>5833</b>	3612	24452
Filter Age	mls	Client Info		<b>5833</b>	3612	24452
Oil Changed		Client Info		<b>Filtered</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>12</b>	10	34
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	<1	2
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	2	5
Lead	ppm	ASTM D5185m	>150	<b>&lt;1</b>	<1	6
Copper	ppm	ASTM D5185m	>90	<b>1</b>	<1	1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	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

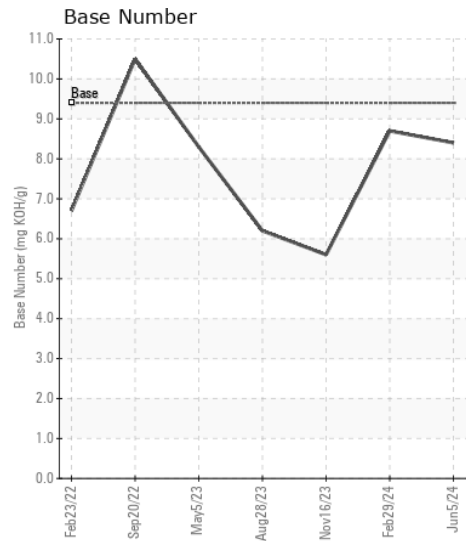
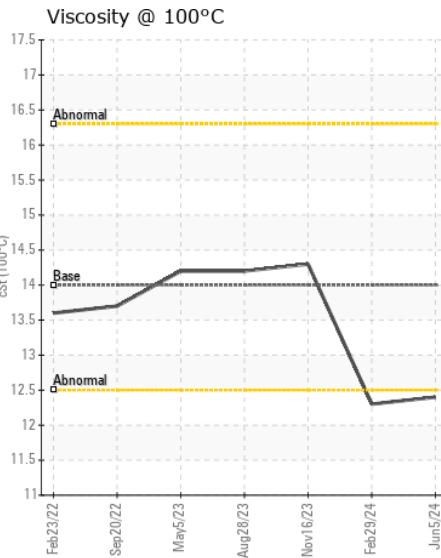
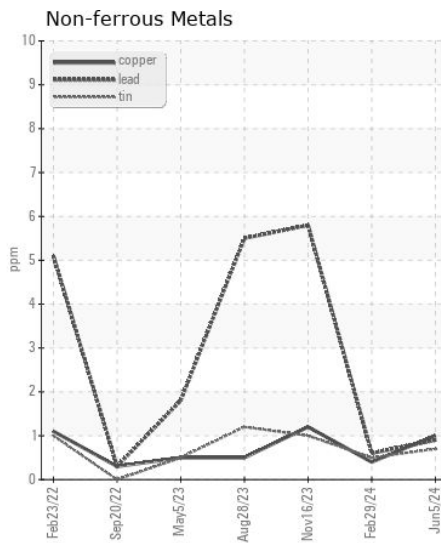
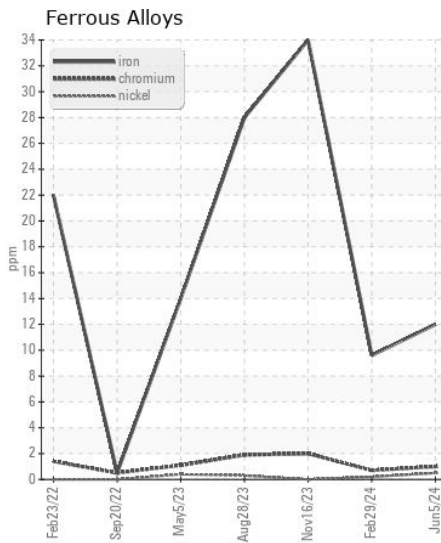
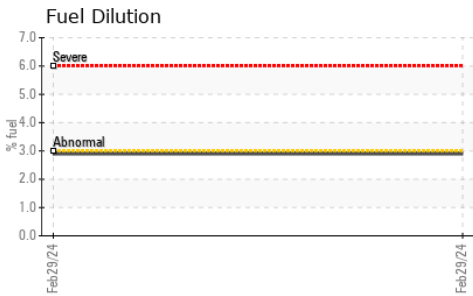
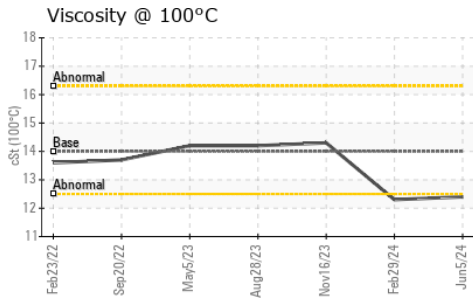
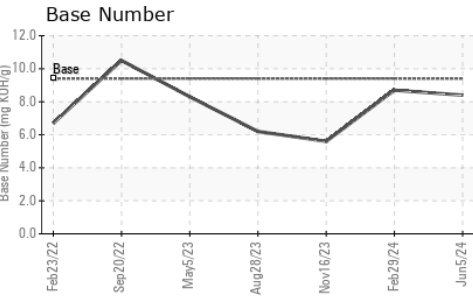
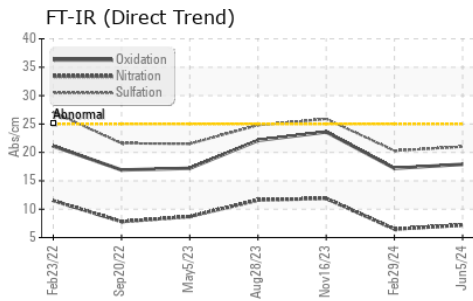
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>8</b>	7	15
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	8
Fuel	%	ASTM D3524	>3.0	<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	>7.5	<b>0.2</b>	0.2	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.2</b>	6.5	11.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.0</b>	20.3	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	2
Boron	ppm	ASTM D5185m	0	<b>3</b>	2	2
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>62</b>	60	57
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>924</b>	● 935	976
Calcium	ppm	ASTM D5185m		<b>1070</b>	● 1081	1148
Phosphorus	ppm	ASTM D5185m		<b>948</b>	998	1055
Zinc	ppm	ASTM D5185m		<b>1213</b>	1210	1218
Sulfur	ppm	ASTM D5185m		<b>3233</b>	3237	2521
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.9</b>	17.2	23.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.4</b>	8.7	5.6
Visc @ 100°C	cSt	ASTM D445	14	<b>12.4</b>	12.3	14.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021030 **Received** : 18 Jun 2024  
**Lab Number** : 06213154 **Tested** : 20 Jun 2024  
**Unique Number** : 11086018 **Diagnosed** : 20 Jun 2024 - Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FUELDILUTION )

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