



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

# OIL ANALYSIS REPORT

Area

(00000)

Machine Id

**PETERBILT 846-4195**

Component

**Diesel Engine**

Fluid

**MOBIL DELVAC 1300 SUPER15W40 (48 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0019294</b>	RPL0017405	RPL0015526
Sample Date		Client Info		<b>06 Apr 2024</b>	06 Jan 2024	06 Oct 2023
Machine Age	mls	Client Info		<b>321104</b>	308221	296845
Oil Age	mls	Client Info		<b>24259</b>	11376	39713
Filter Age	mls	Client Info		<b>24259</b>	11376	39713
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>17</b>	6	31
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	2	6
Lead	ppm	ASTM D5185m	>40	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>3</b>	<1	4
Tin	ppm	ASTM D5185m	>15	<b>1</b>	0	<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

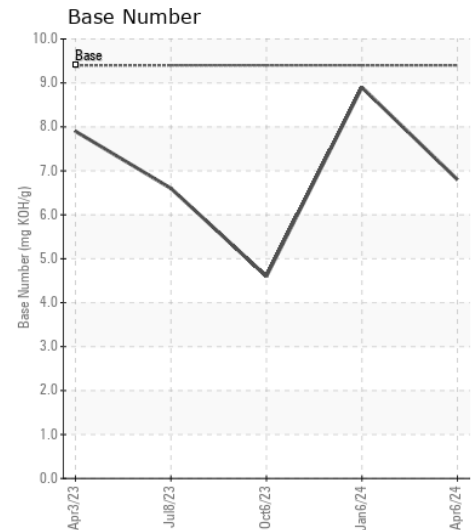
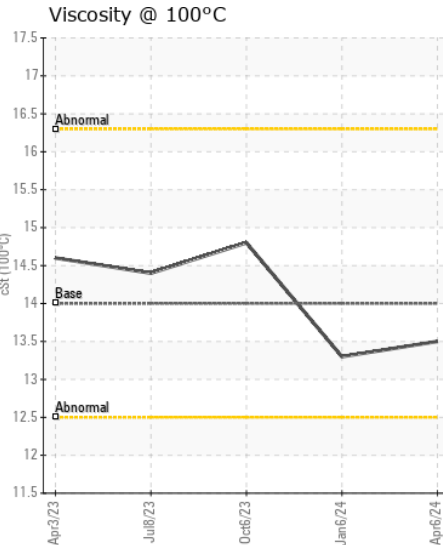
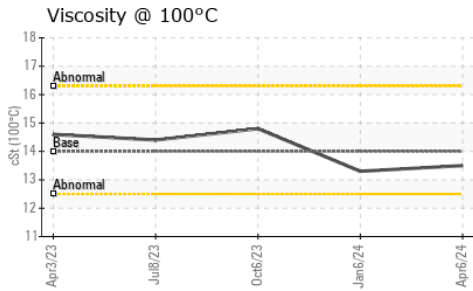
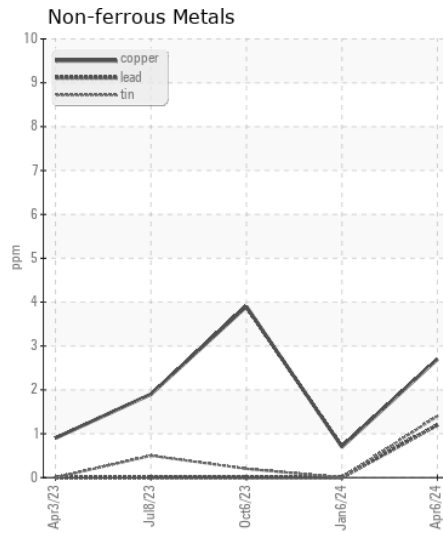
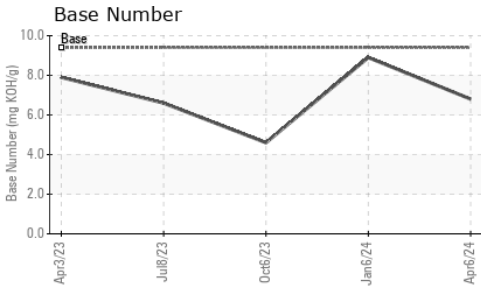
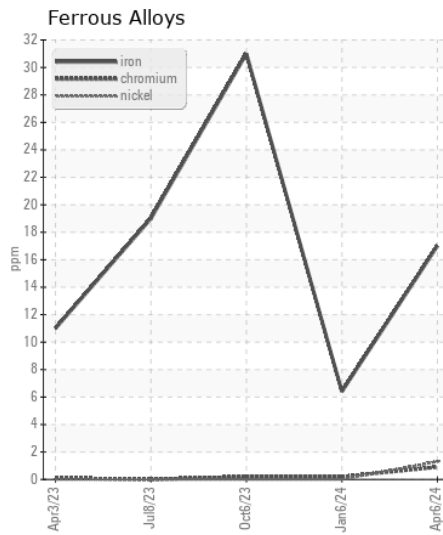
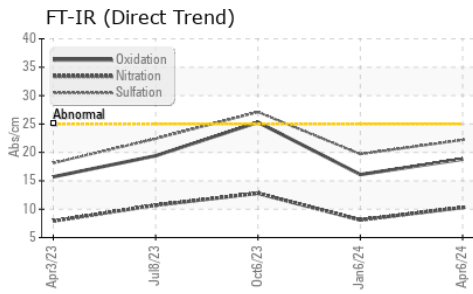
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	5	8
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	4	8
Fuel		WC Method	>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>0.4</b>	0.3	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.3</b>	8.1	12.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.2</b>	19.7	27.1
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>2</b>	1	3
Boron	ppm	ASTM D5185m	0	<b>5</b>	<1	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>65</b>	57	56
Manganese	ppm	ASTM D5185m		<b>1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>953</b>	954	848
Calcium	ppm	ASTM D5185m		<b>1138</b>	1048	1166
Phosphorus	ppm	ASTM D5185m		<b>1147</b>	1049	865
Zinc	ppm	ASTM D5185m		<b>1277</b>	1239	1096
Sulfur	ppm	ASTM D5185m		<b>3487</b>	3178	2361
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.8</b>	16.1	25.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.8</b>	8.9	4.6
Visc @ 100°C	cSt	ASTM D445	14	<b>13.5</b>	13.3	14.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0019294  
**Lab Number** : 06152913  
**Unique Number** : 10982991  
**Test Package** : FLEET

**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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F: