



# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 8465036**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC ELITE 15W40 (17 QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

## WEAR

Metal levels are typical for a new component breaking in.

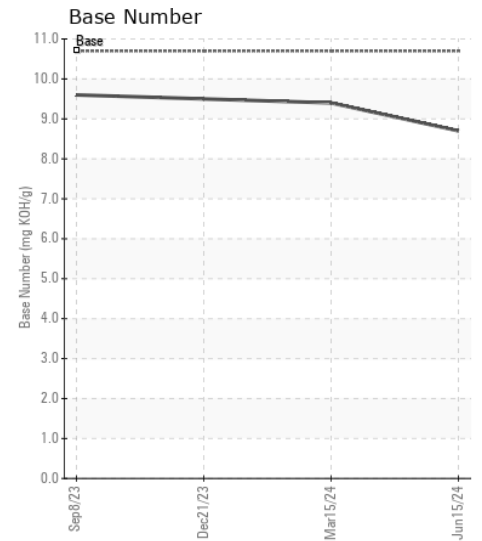
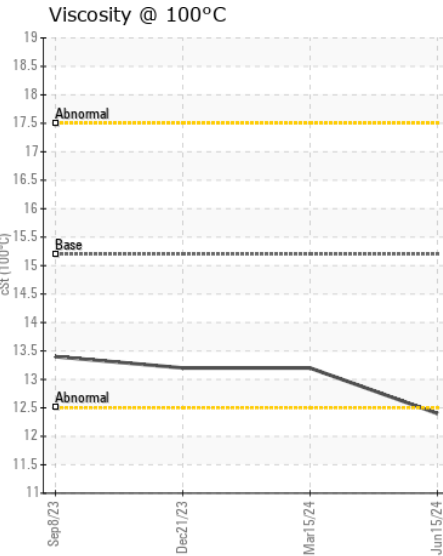
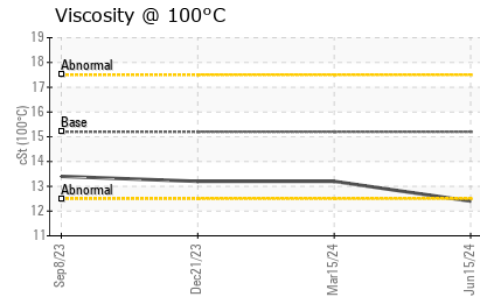
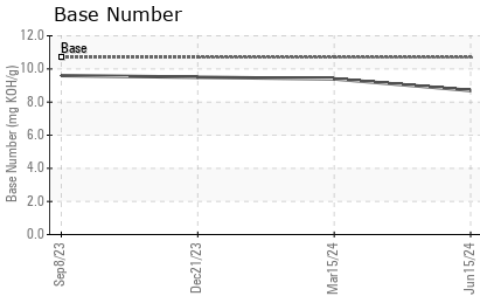
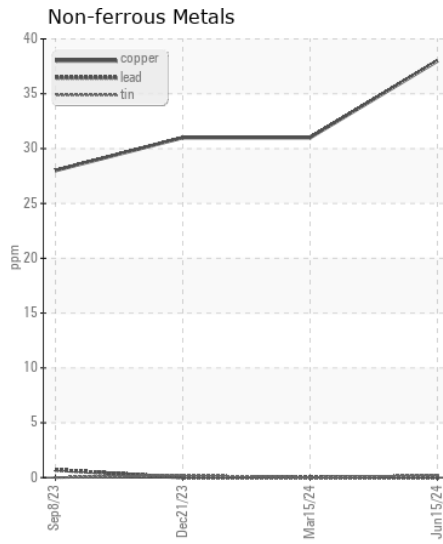
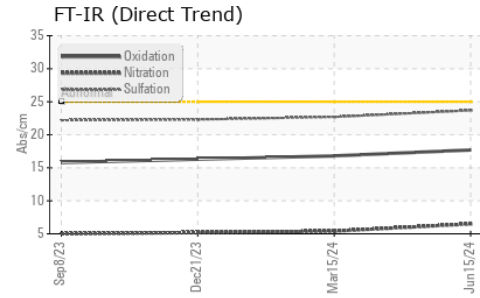
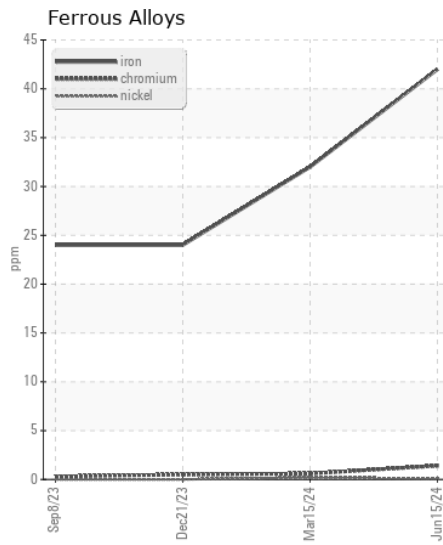
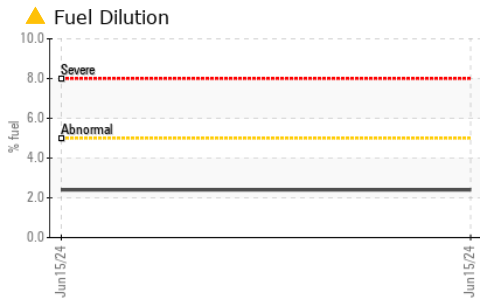
## CONTAMINATION

Light fuel dilution occurring. No other contaminants were detected in the oil.

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021095</b>	RPL0019429	RPL0016854
Sample Date		Client Info		<b>15 Jun 2024</b>	15 Mar 2024	21 Dec 2023
Machine Age	mls	Client Info		<b>2512</b>	534	269
Oil Age	mls	Client Info		<b>2512</b>	534	269
Filter Age	mls	Client Info		<b>2512</b>	534	269
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>	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>110	<b>42</b>	32	24
Chromium	ppm	ASTM D5185m	>4	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>11</b>	6	6
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>85	<b>38</b>	31	31
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	<b>29</b>	26	24
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	3	2
Fuel	%	ASTM D3524	>5	<b>▲ 2.4</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>0.3</b>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.5</b>	5.4	5.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.7</b>	22.7	22.3
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
Sodium	ppm	ASTM D5185m		<b>5</b>	4	3
Boron	ppm	ASTM D5185m		<b>● 292</b>	304	314
Barium	ppm	ASTM D5185m		<b>7</b>	0	6
Molybdenum	ppm	ASTM D5185m		<b>112</b>	113	108
Manganese	ppm	ASTM D5185m		<b>5</b>	5	5
Magnesium	ppm	ASTM D5185m		<b>630</b>	705	658
Calcium	ppm	ASTM D5185m		<b>1381</b>	1522	1349
Phosphorus	ppm	ASTM D5185m		<b>775</b>	728	706
Zinc	ppm	ASTM D5185m		<b>827</b>	834	780
Sulfur	ppm	ASTM D5185m		<b>● 2453</b>	2900	2282
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.7</b>	16.8	16.3
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	<b>8.7</b>	9.4	9.5
Visc @ 100°C	cSt	ASTM D445	15.2	<b>12.4</b>	13.2	13.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : RPL0021095

**Lab Number** : 06230039

**Unique Number** : 11113532

**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**Received** : 08 Jul 2024

**Tested** : 11 Jul 2024

**Diagnosed** : 11 Jul 2024 - Wes Davis

**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: