



PacLease

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**PETERBILT 8574841**

Component  
**Diesel Engine**

Fluid  
**CHEVRON DELO 400 SAE 10W30 (44 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0006589	---	---
Sample Date		Client Info		21 Jun 2024	---	---
Machine Age	hrs	Client Info		170848	---	---
Oil Age	hrs	Client Info		39867	---	---
Filter Age	hrs	Client Info		39867	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	51	---	---
Chromium	ppm	ASTM D5185m	>4	3	---	---
Nickel	ppm	ASTM D5185m	>2	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>25	29	---	---
Lead	ppm	ASTM D5185m	>45	5	---	---
Copper	ppm	ASTM D5185m	>85	4	---	---
Tin	ppm	ASTM D5185m	>4	1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

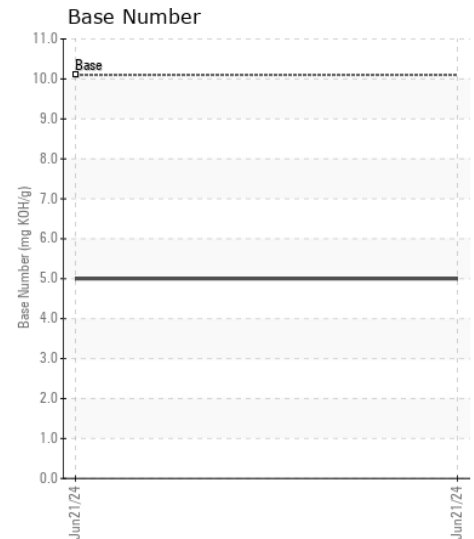
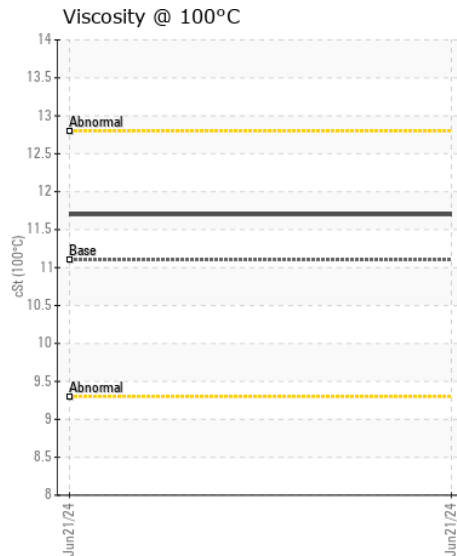
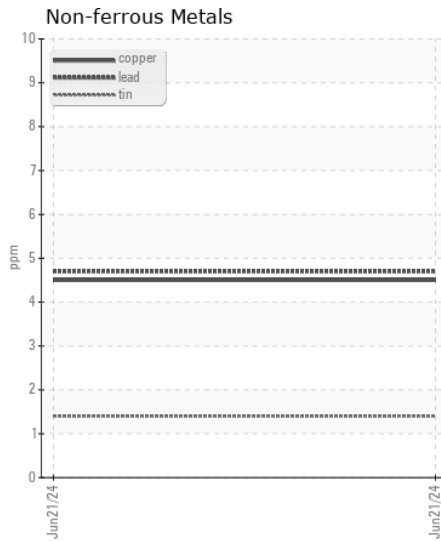
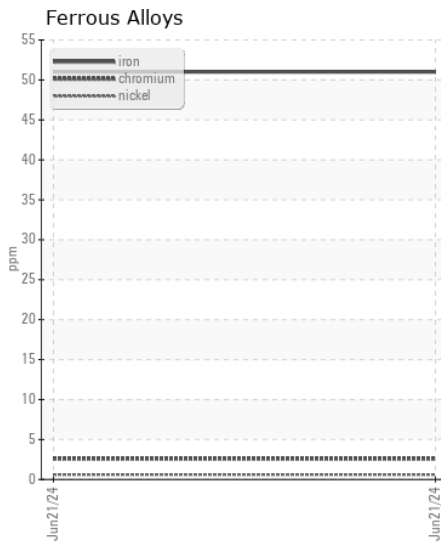
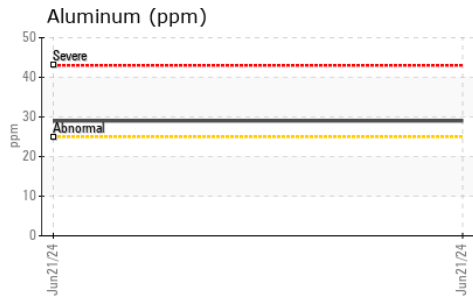
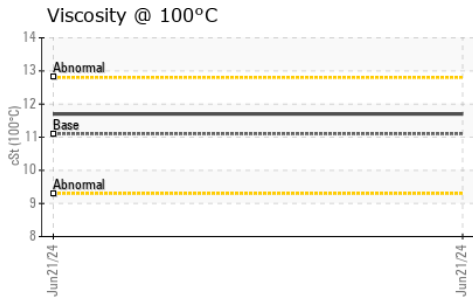
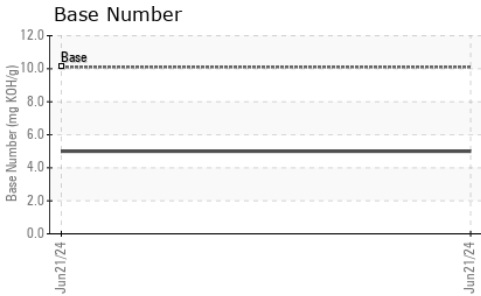
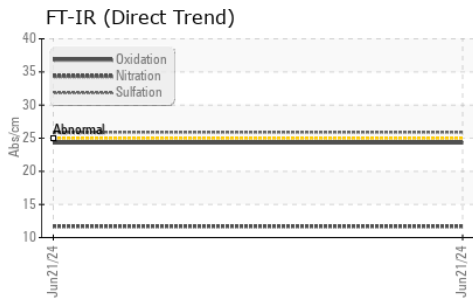
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	11	---	---
Potassium	ppm	ASTM D5185m	>20	69	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>3	0.5	---	---
Nitration	Abs/cm	*ASTM D7624	>20	11.7	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.9	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	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		4	---	---
Boron	ppm	ASTM D5185m		28	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		6	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		814	---	---
Calcium	ppm	ASTM D5185m		1575	---	---
Phosphorus	ppm	ASTM D5185m	1260	790	---	---
Zinc	ppm	ASTM D5185m	1400	900	---	---
Sulfur	ppm	ASTM D5185m		3566	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.3	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.0	---	---
Visc @ 100°C	cSt	ASTM D445	11.1	11.7	---	---



Certificate L2367

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

**Sample No.** : RPL0006589

**Lab Number** : 06221958

**Unique Number** : 11100155

**Test Package** : FLEET

**Received** : 26 Jun 2024

**Tested** : 28 Jun 2024

**Diagnosed** : 28 Jun 2024 - Wes Davis

**RTL PACLEASE - 7052 -Sun Coast**

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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)