



PacLease

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id  
**PETERBILT 272281**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC SUPER 1400 15W40 (48 QTS)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0011853	---	---
Sample Date		Client Info		27 Jun 2024	---	---
Machine Age	mls	Client Info		166400	---	---
Oil Age	mls	Client Info		41890	---	---
Filter Age	mls	Client Info		41890	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	157	---	---
Chromium	ppm	ASTM D5185m	>5	5	---	---
Nickel	ppm	ASTM D5185m	>4	0	---	---
Titanium	ppm	ASTM D5185m	>2	<1	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>20	10	---	---
Lead	ppm	ASTM D5185m	>150	4	---	---
Copper	ppm	ASTM D5185m	>90	3	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

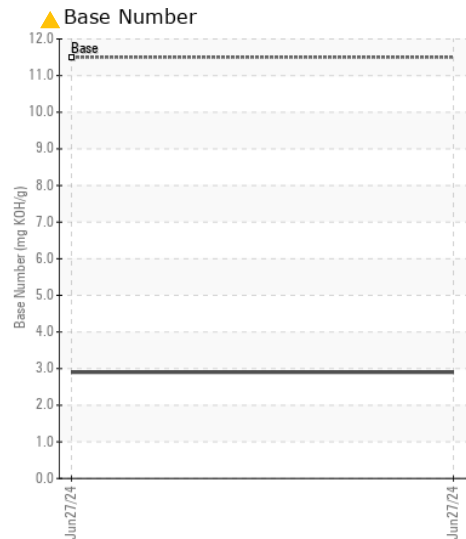
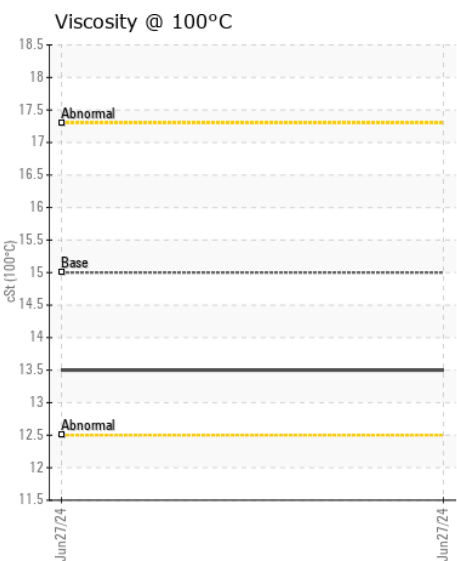
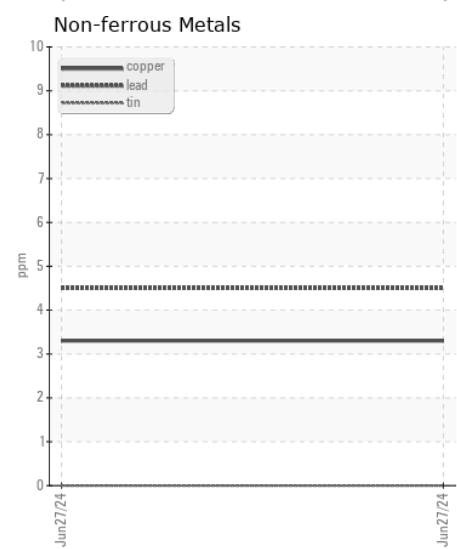
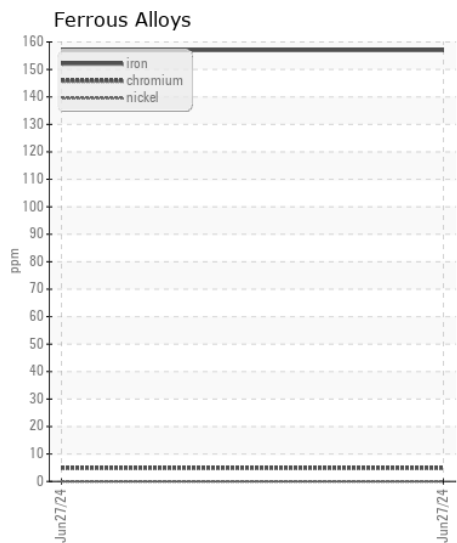
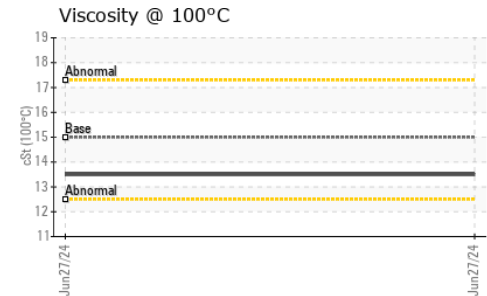
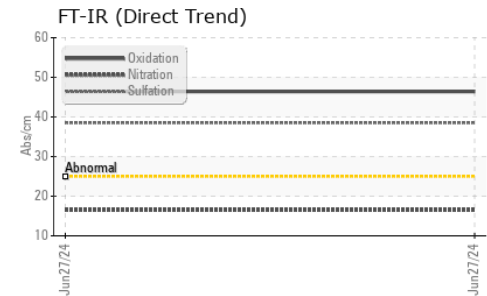
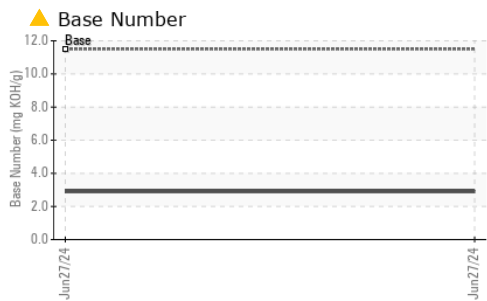
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	9	---	---
Potassium	ppm	ASTM D5185m	>20	17	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>7.5	1.4	---	---
Nitration	Abs/cm	*ASTM D7624	>20	16.5	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	38.5	---	---
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 level is low. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m		48	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		73	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		383	---	---
Calcium	ppm	ASTM D5185m		1839	---	---
Phosphorus	ppm	ASTM D5185m		854	---	---
Zinc	ppm	ASTM D5185m		1034	---	---
Sulfur	ppm	ASTM D5185m		2868	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	46.4	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	11.5	▲ 2.9	---	---
Visc @ 100°C	cSt	ASTM D445	15.0	13.5	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0011853  
**Lab Number** : 06228382  
**Unique Number** : 11111875  
**Test Package** : FLEET

**Received** : 05 Jul 2024  
**Tested** : 08 Jul 2024  
**Diagnosed** : 08 Jul 2024 - Don Baldrige

**RTL PACLEASE - 7039 - Denver**  
 379 W 66TH WAY  
 DENVER, CO  
 US 80221  
 Contact: JEFF THOMAS  
 thomasj2@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)