



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
PETERBILT 272473
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		RPL0011857	---	---
Sample Date		Client Info		19 Jun 2024	---	---
Machine Age	mls	Client Info		225375	---	---
Oil Age	mls	Client Info		45620	---	---
Filter Age	mls	Client Info		45620	---	---
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	106	---	---
Chromium	ppm	ASTM D5185m	>5	4	---	---
Nickel	ppm	ASTM D5185m	>4	0	---	---
Titanium	ppm	ASTM D5185m	>2	<1	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>20	14	---	---
Lead	ppm	ASTM D5185m	>150	18	---	---
Copper	ppm	ASTM D5185m	>90	2	---	---
Tin	ppm	ASTM D5185m	>5	2	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

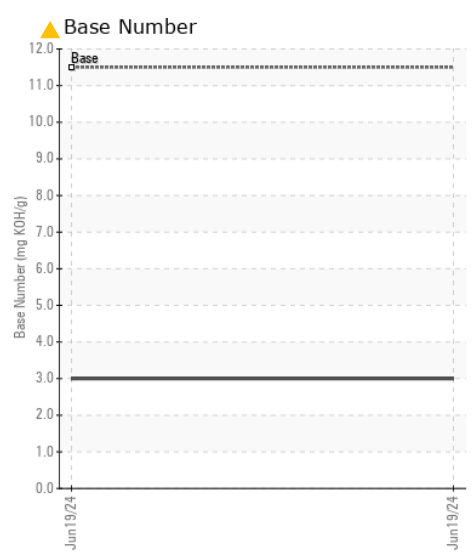
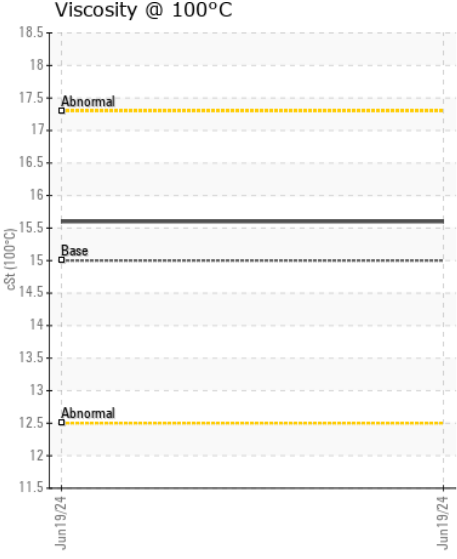
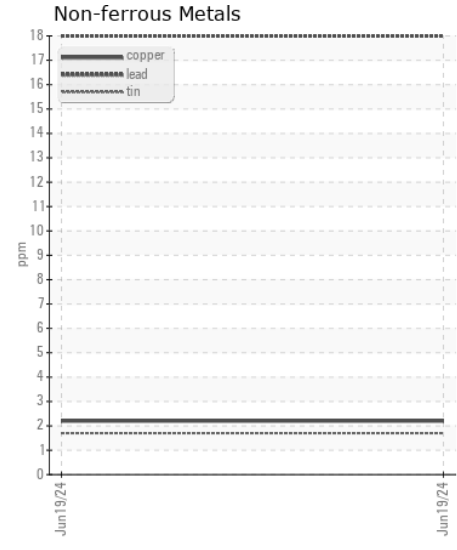
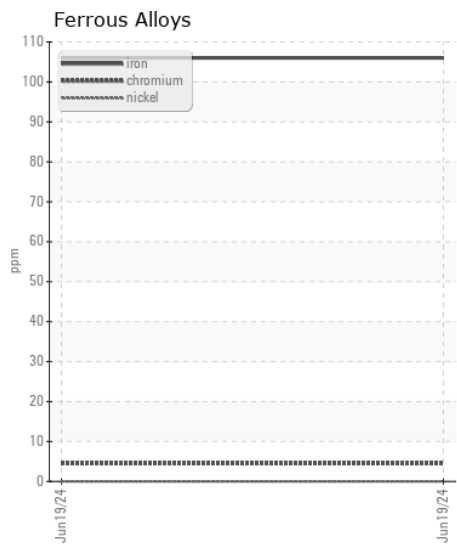
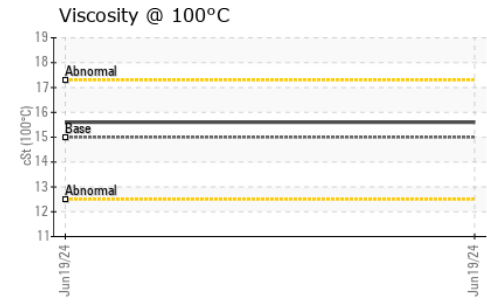
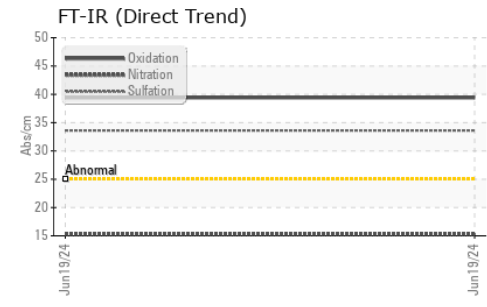
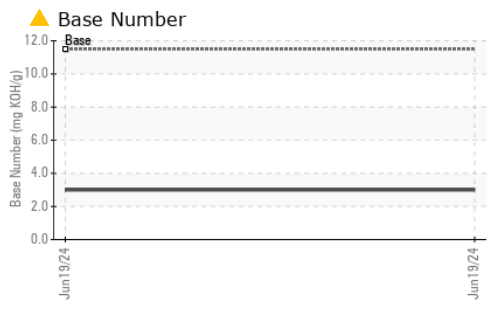
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	22	---	---
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	---	---
Nitration	Abs/cm	*ASTM D7624	>20	15.3	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	33.6	---	---
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		5	---	---
Boron	ppm	ASTM D5185m		22	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		78	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		637	---	---
Calcium	ppm	ASTM D5185m		1912	---	---
Phosphorus	ppm	ASTM D5185m		953	---	---
Zinc	ppm	ASTM D5185m		1182	---	---
Sulfur	ppm	ASTM D5185m		3434	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	39.4	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	11.5	▲ 3.0	---	---
Visc @ 100°C	cSt	ASTM D445	15.0	15.6	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0011857 **Received** : 24 Jun 2024
Lab Number : 06217934 **Tested** : 25 Jun 2024
Unique Number : 11096131 **Diagnosed** : 25 Jun 2024 - Don Baldrige
Test Package : FLEET

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)