



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area
{UNASSIGNED}
 Machine Id
PETERBILT 827864
 Component
Diesel Engine
 Fluid
CHEVRON 15W40 (46 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0009861	RPL0003388	---
Sample Date		Client Info		07 Sep 2023	17 Oct 2022	---
Machine Age	mls	Client Info		339600	0	---
Oil Age	mls	Client Info		31942	0	---
Filter Age	mls	Client Info		31942	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	21	19	---
Chromium	ppm	ASTM D5185m	>5	<1	1	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	<1	0	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	2	4	---
Lead	ppm	ASTM D5185m	>150	4	8	---
Copper	ppm	ASTM D5185m	>90	1	<1	---
Tin	ppm	ASTM D5185m	>5	1	1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

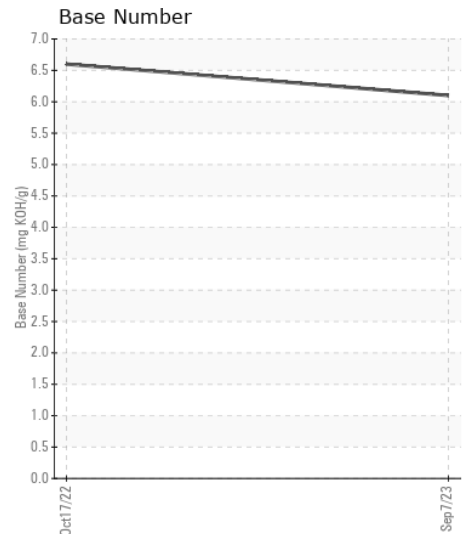
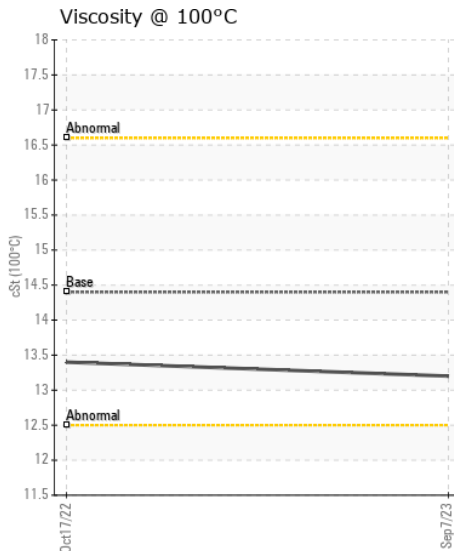
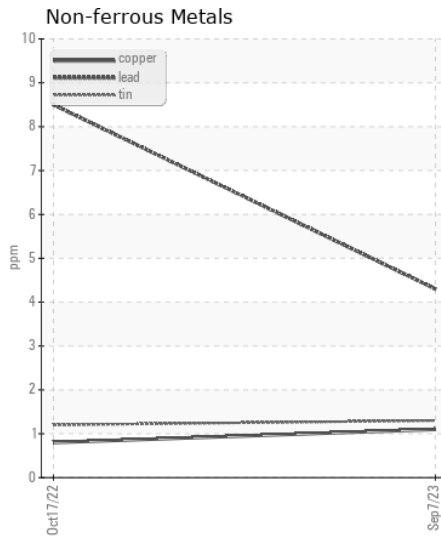
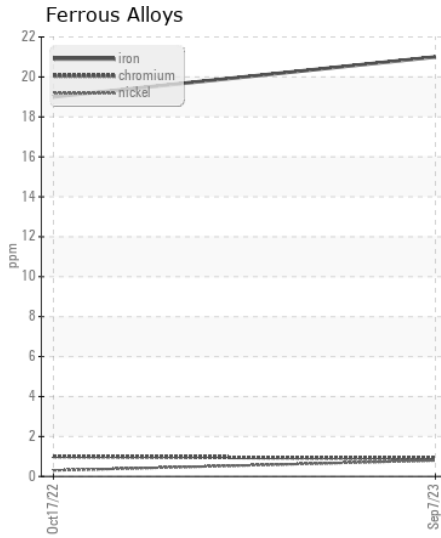
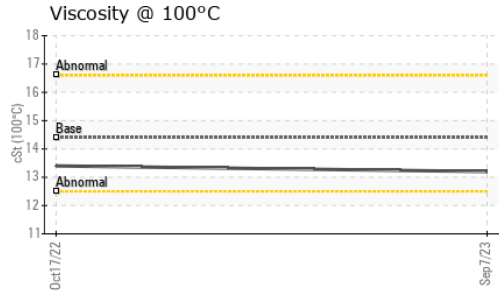
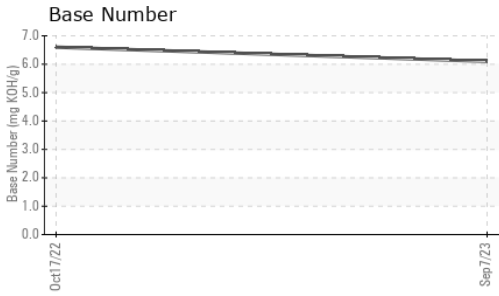
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	9	10	---
Potassium	ppm	ASTM D5185m	>20	4	4	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>7.5	0.7	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	9.6	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.2	27.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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	>50	0	2	---
Boron	ppm	ASTM D5185m		79	74	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		83	86	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		392	399	---
Calcium	ppm	ASTM D5185m		1412	1462	---
Phosphorus	ppm	ASTM D5185m		925	1001	---
Zinc	ppm	ASTM D5185m		1269	1313	---
Sulfur	ppm	ASTM D5185m		3309	3172	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.0	20.6	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.1	6.6	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.2	13.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0009861 **Received** : 09 Jan 2024
Lab Number : 06055223 **Diagnosed** : 10 Jan 2024
Unique Number : 10821172 **Diagnostician** : Wes Davis
Test Package : FLEET

RTL PACLEASE - 7019 - Birmingham
 601 Republic Circle
 Birmingham, AL
 US 35214
 Contact: Johnathan King
 KingJ1@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)

T:
F: