



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 117365
Component
Diesel Engine
Fluid
CHEVRON 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0009880	RPL0003369	---
Sample Date		Client Info		26 Oct 2023	04 Oct 2022	---
Machine Age	mls	Client Info		277922	277922	---
Oil Age	mls	Client Info		277922	48684	---
Filter Age	mls	Client Info		0	48684	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	44	26	---
Chromium	ppm	ASTM D5185m	>4	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>25	5	9	---
Lead	ppm	ASTM D5185m	>45	1	2	---
Copper	ppm	ASTM D5185m	>85	4	5	---
Tin	ppm	ASTM D5185m	>4	1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

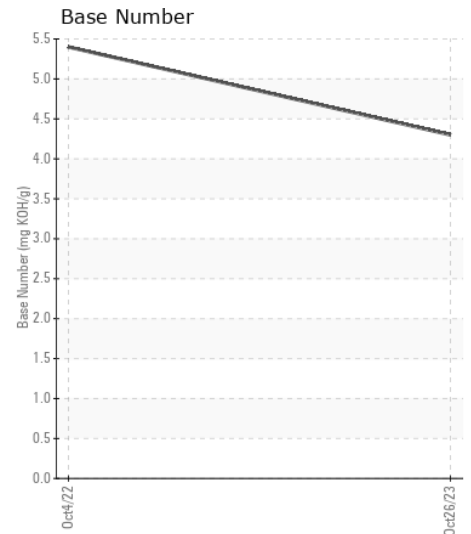
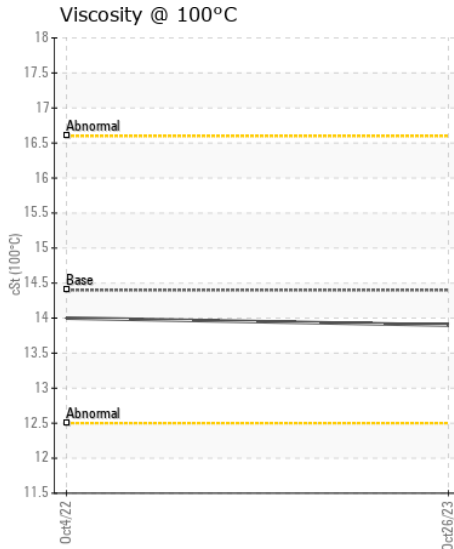
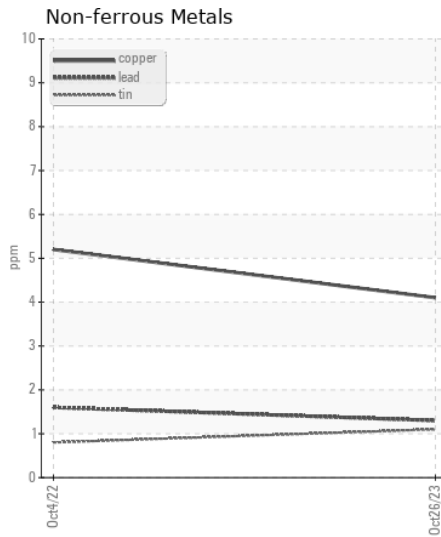
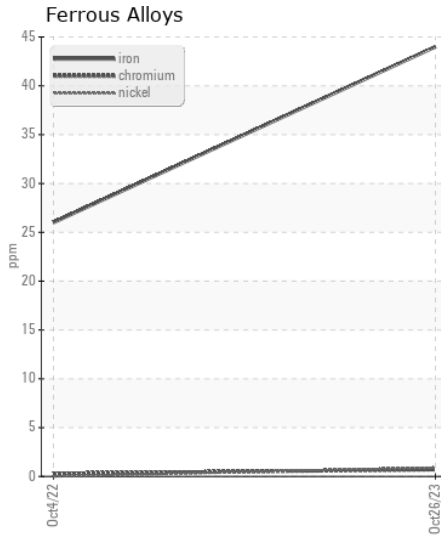
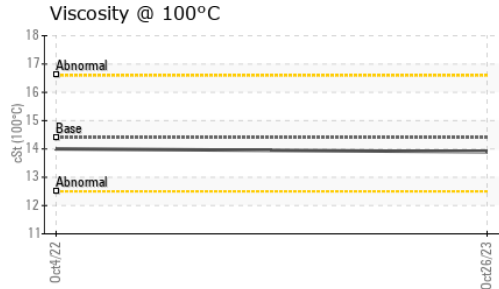
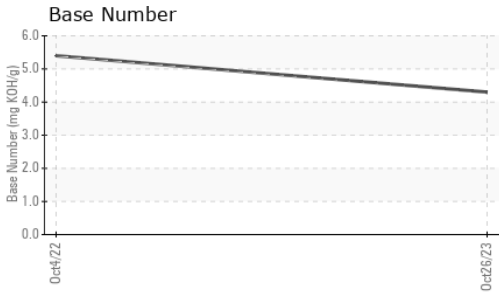
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	12	11	---
Potassium	ppm	ASTM D5185m	>20	6	9	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.8	0.7	---
Nitration	Abs/cm	*ASTM D7624	>20	9.7	9.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.9	29.5	---
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		19	23	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		85	88	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		400	398	---
Calcium	ppm	ASTM D5185m		1427	1486	---
Phosphorus	ppm	ASTM D5185m		945	1039	---
Zinc	ppm	ASTM D5185m		1286	1272	---
Sulfur	ppm	ASTM D5185m		3105	3249	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	22.2	---
Base Number (BN)	mg KOH/g	ASTM D2896		4.3	5.4	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.9	14.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0009880 **Received** : 09 Jan 2024
Lab Number : 06055243 **Diagnosed** : 10 Jan 2024
Unique Number : 10821192 **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: