



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area
(M2887hy) {UNASSIGNED}

Machine Id
PETERBILT 117371

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		RPL0009870	RPL0003423	---
Sample Date		Client Info		04 Oct 2023	17 Jan 2023	---
Machine Age	hrs	Client Info		177911	177911	---
Oil Age	hrs	Client Info		177911	40000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	36	20	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	4	5	---
Lead	ppm	ASTM D5185m	>40	1	<1	---
Copper	ppm	ASTM D5185m	>330	2	2	---
Tin	ppm	ASTM D5185m	>15	1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

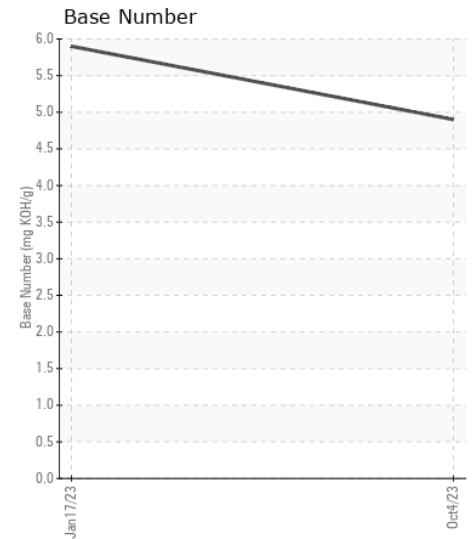
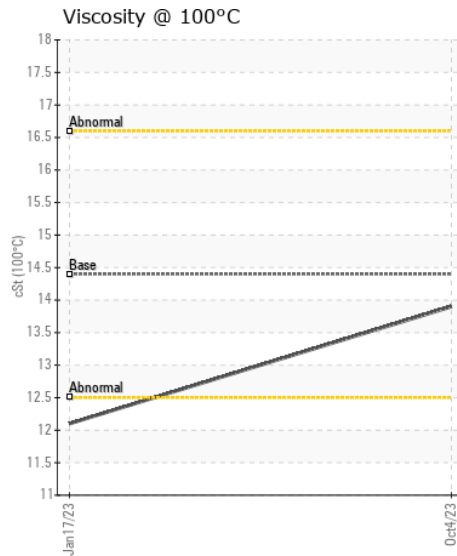
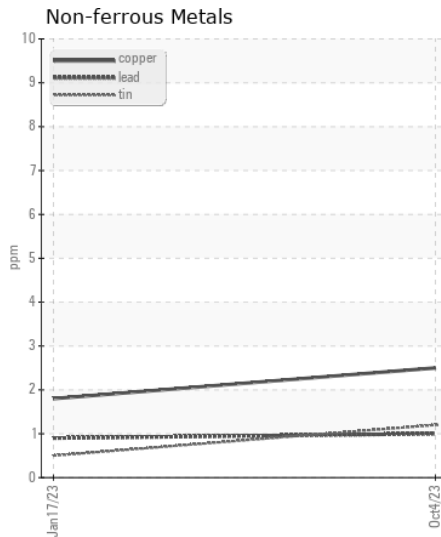
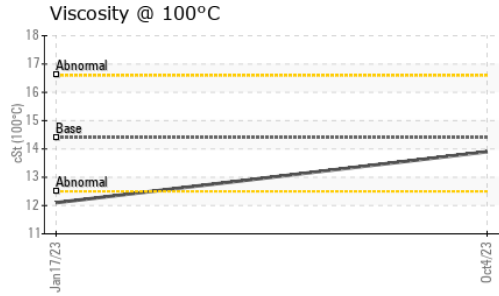
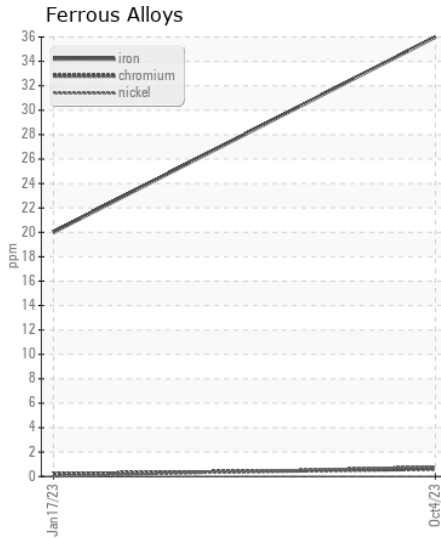
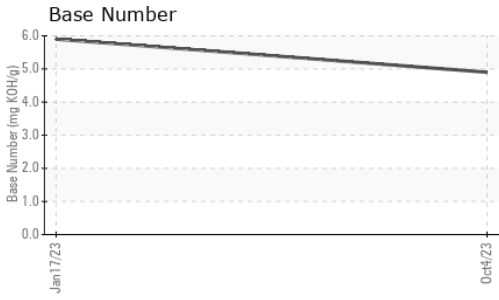
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	12	9	---
Potassium	ppm	ASTM D5185m	>20	5	8	---
Fuel		WC Method	>5	<1.0	0.4	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.9	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	9.9	10.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.8	24.0	---
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		34	26	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		77	15	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		439	701	---
Calcium	ppm	ASTM D5185m		1420	1405	---
Phosphorus	ppm	ASTM D5185m		889	740	---
Zinc	ppm	ASTM D5185m		1224	876	---
Sulfur	ppm	ASTM D5185m		3094	3493	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6	18.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		4.9	5.9	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.9	▲ 12.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0009870 **Received** : 09 Jan 2024
Lab Number : 06055250 **Diagnosed** : 10 Jan 2024
Unique Number : 10821199 **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)

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F: