



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 827830
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (44 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0004760	RPL0004818	---
Sample Date		Client Info		21 Jun 2024	09 Dec 2022	---
Machine Age	mls	Client Info		270661	184760	---
Oil Age	mls	Client Info		26680	16443	---
Filter Age	mls	Client Info		26680	16443	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	34	26	---
Chromium	ppm	ASTM D5185m	>5	2	2	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	1	<1	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	13	16	---
Lead	ppm	ASTM D5185m	>150	3	2	---
Copper	ppm	ASTM D5185m	>90	2	2	---
Tin	ppm	ASTM D5185m	>5	1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

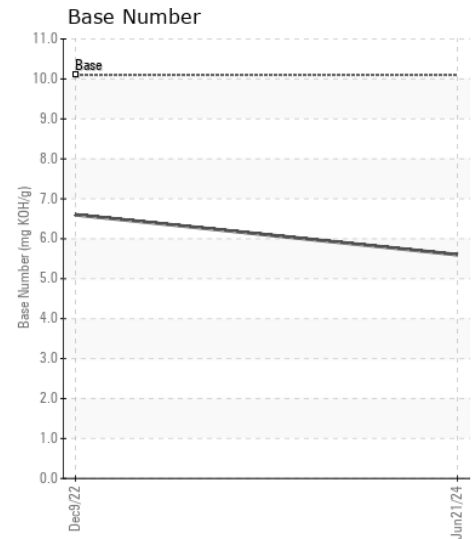
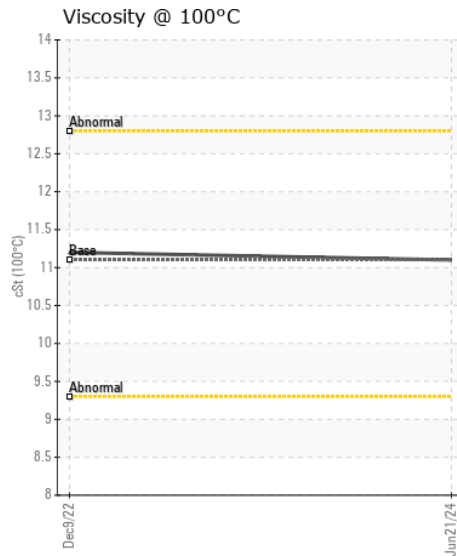
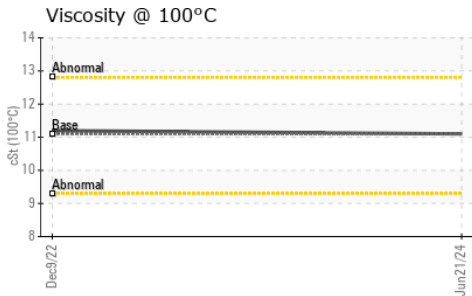
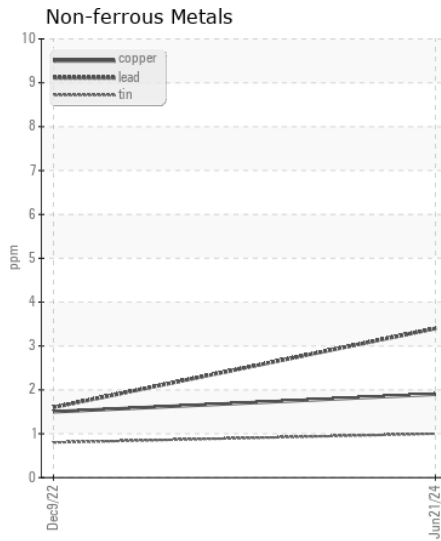
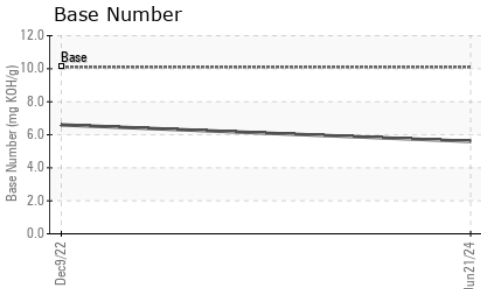
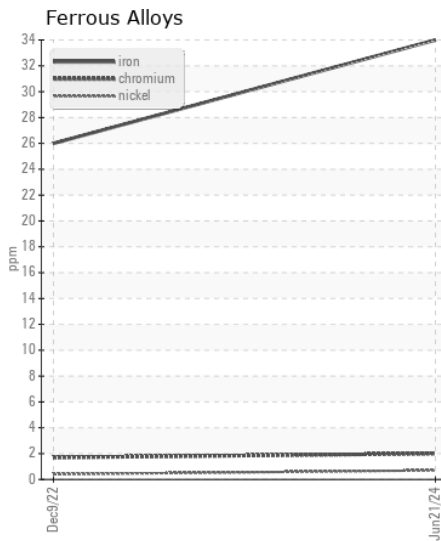
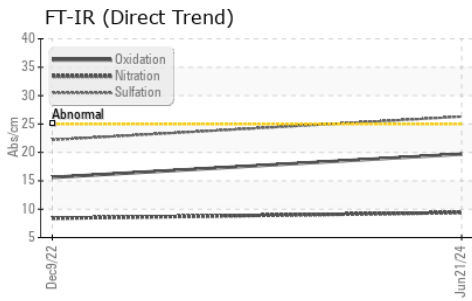
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	9	7	---
Potassium	ppm	ASTM D5185m	>20	6	6	---
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	0.9	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	9.4	8.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	22.2	---
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		2	1	---
Boron	ppm	ASTM D5185m		84	224	---
Barium	ppm	ASTM D5185m		1	0	---
Molybdenum	ppm	ASTM D5185m		91	76	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		422	354	---
Calcium	ppm	ASTM D5185m		1521	1658	---
Phosphorus	ppm	ASTM D5185m	1260	1061	1012	---
Zinc	ppm	ASTM D5185m	1400	1348	1319	---
Sulfur	ppm	ASTM D5185m		3144	3860	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7	15.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.6	6.6	---
Visc @ 100°C	cSt	ASTM D445	11.1	11.1	11.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RPL0004760

Lab Number : 06223162

Unique Number : 11101359

Test Package : FLEET

Received : 28 Jun 2024

Tested : 28 Jun 2024

Diagnosed : 30 Jun 2024 - Don Baldrige

RTL PACLEASE - 7009 - Nashville

900 Expo Dr.

Smyrna, TN

US 37167

Contact: Jon Atwood

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F:

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)