



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 857-4842

Component
Diesel Engine

Fluid
CHEVRON DELO 400 XLE 10W30 (45 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0006607	RPL0006584	---
Sample Date		Client Info		26 Jan 2024	22 Sep 2023	---
Machine Age	mls	Client Info		96092	75448	---
Oil Age	mls	Client Info		20644	7039	---
Filter Age	mls	Client Info		0	7039	---
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	>110	7	72	---
Chromium	ppm	ASTM D5185m	>4	<1	3	---
Nickel	ppm	ASTM D5185m	>2	0	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>25	12	20	---
Lead	ppm	ASTM D5185m	>45	<1	9	---
Copper	ppm	ASTM D5185m	>85	<1	8	---
Tin	ppm	ASTM D5185m	>4	<1	2	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

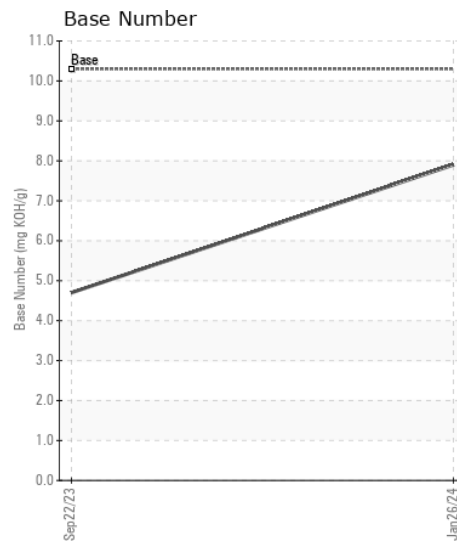
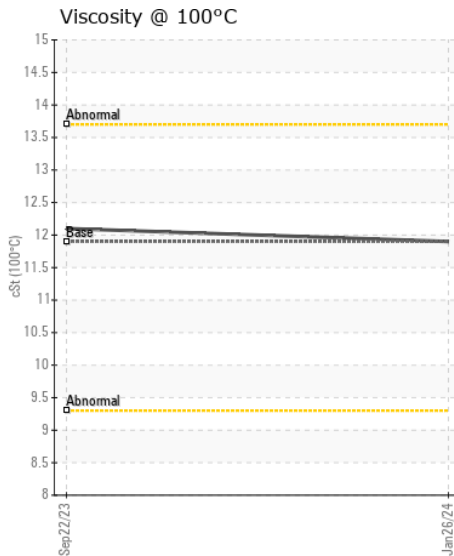
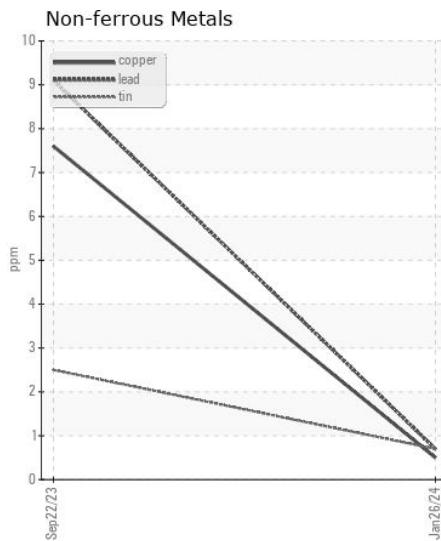
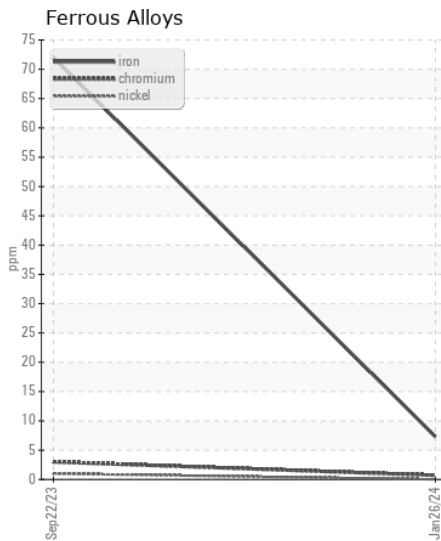
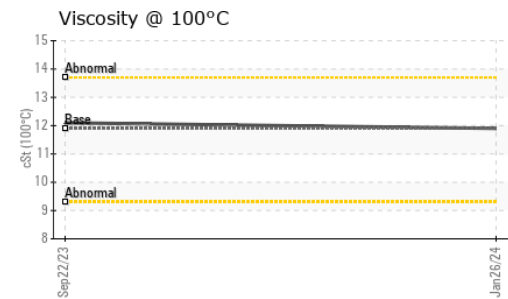
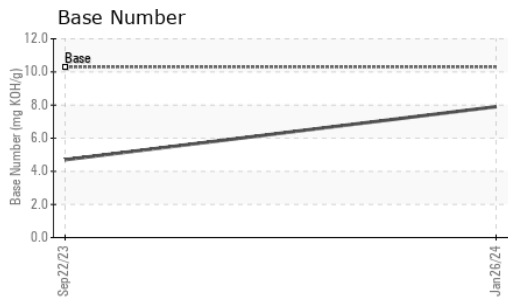
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	6	17	---
Potassium	ppm	ASTM D5185m	>20	29	52	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	6.8	11.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	25.7	---
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		2	10	---
Boron	ppm	ASTM D5185m		87	26	---
Barium	ppm	ASTM D5185m		0	2	---
Molybdenum	ppm	ASTM D5185m		4	16	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		752	868	---
Calcium	ppm	ASTM D5185m	2900	1254	1691	---
Phosphorus	ppm	ASTM D5185m	1100	716	910	---
Zinc	ppm	ASTM D5185m	1200	796	1090	---
Sulfur	ppm	ASTM D5185m	4000	3056	3701	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.7	23.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	7.9	4.7	---
Visc @ 100°C	cSt	ASTM D445	11.9	11.9	12.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0006607 **Received** : 31 Jan 2024
Lab Number : 06075360 **Diagnosed** : 31 Jan 2024
Unique Number : 10857451 **Diagnostician** : Wes Davis
Test Package : FLEET

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 5606 N County Road 1287
 Midland, TX
 US 79707
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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)