



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area

[43262160]

Machine Id

PETERBILT 857-5114

Component

Diesel Engine

Fluid

MOBIL DELVAC MX 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016425	RPL0013682	---
Sample Date		Client Info		09 Feb 2024	30 Oct 2023	---
Machine Age	mls	Client Info		63393	33172	---
Oil Age	mls	Client Info		30221	33172	---
Filter Age	mls	Client Info		30221	33172	---
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	>100	49	84	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	12	24	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	21	55	---
Tin	ppm	ASTM D5185m	>15	<1	4	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

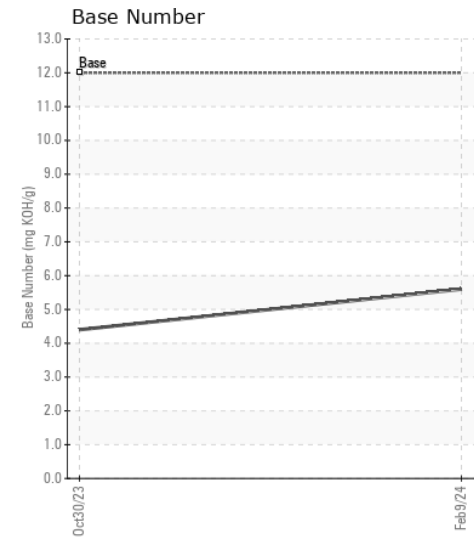
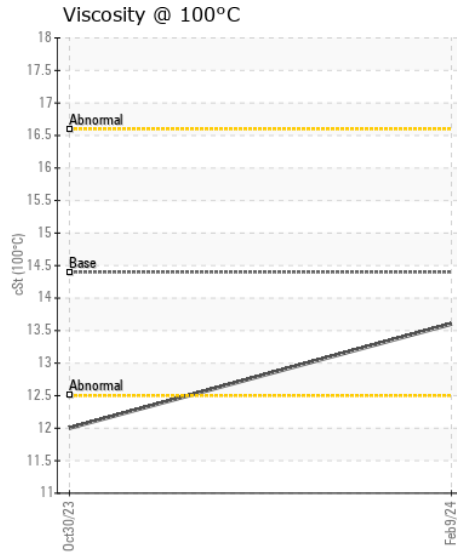
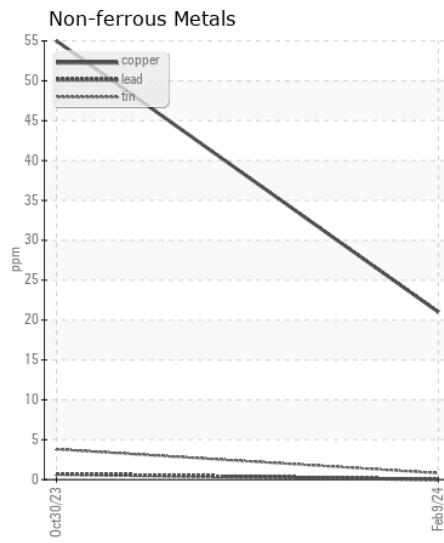
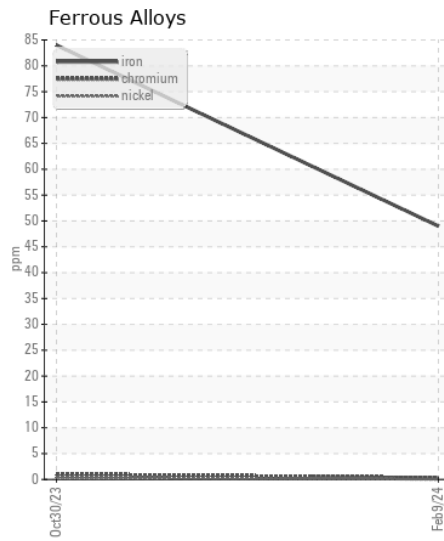
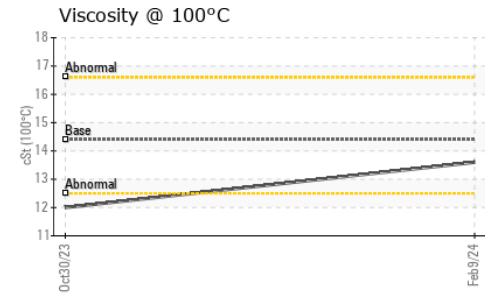
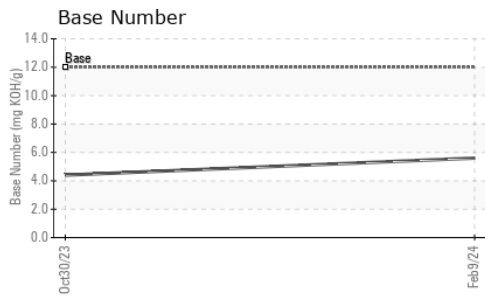
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	16	17	---
Potassium	ppm	ASTM D5185m	>20	32	84	---
Fuel		WC Method	>5	<1.0	0.3	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	11.4	12.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1	26.6	---
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		<1	3	---
Boron	ppm	ASTM D5185m		20	21	---
Barium	ppm	ASTM D5185m		9	<1	---
Molybdenum	ppm	ASTM D5185m		98	6	---
Manganese	ppm	ASTM D5185m		<1	3	---
Magnesium	ppm	ASTM D5185m		1506	816	---
Calcium	ppm	ASTM D5185m		1740	1438	---
Phosphorus	ppm	ASTM D5185m		1374	770	---
Zinc	ppm	ASTM D5185m		1861	932	---
Sulfur	ppm	ASTM D5185m		4456	2865	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.8	24.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	5.6	4.4	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.6	12.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016425 **Received** : 14 Feb 2024
Lab Number : 06088528 **Tested** : 15 Feb 2024
Unique Number : 10875973 **Diagnosed** : 15 Feb 2024 - Don Baldrige
Test Package : FLEET

RTL PACLEASE - 7002 - San Antonio
 8810 IH-10 Frontage Road
 Converse, TX
 US 78109
 Contact: Mike Friel
 FrielM@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)