



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area

[44874288]

Machine Id

PETERBILT 9571908 Rental Unit

Component

Diesel Engine

Fluid

MOBIL DELVAC MX 15W40 (48 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016512	RPL0013647	---
Sample Date		Client Info		05 Jun 2024	05 Oct 2023	---
Machine Age	mls	Client Info		53427	34934	---
Oil Age	mls	Client Info		26750	8257	---
Filter Age	mls	Client Info		26750	8257	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	20	16	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	9	15	---
Lead	ppm	ASTM D5185m	>40	<1	0	---
Copper	ppm	ASTM D5185m	>330	3	4	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

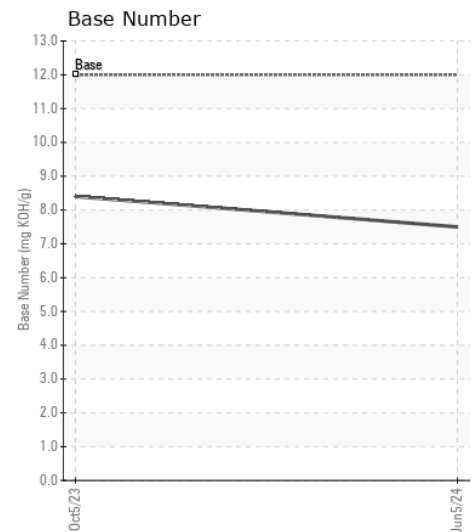
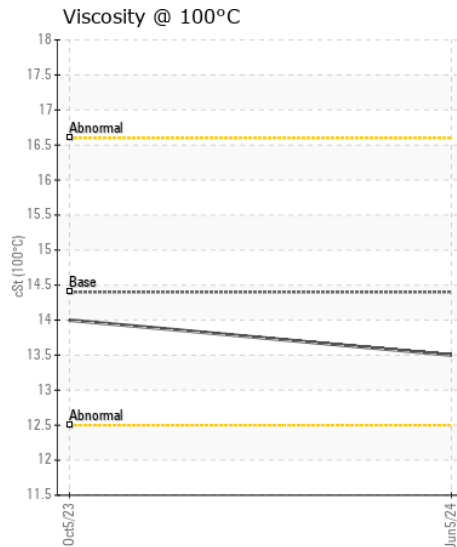
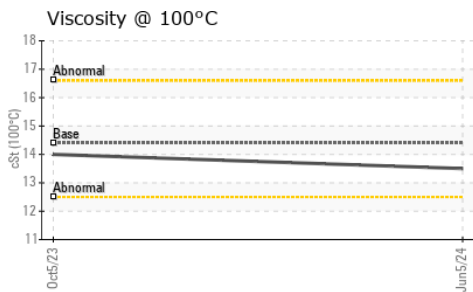
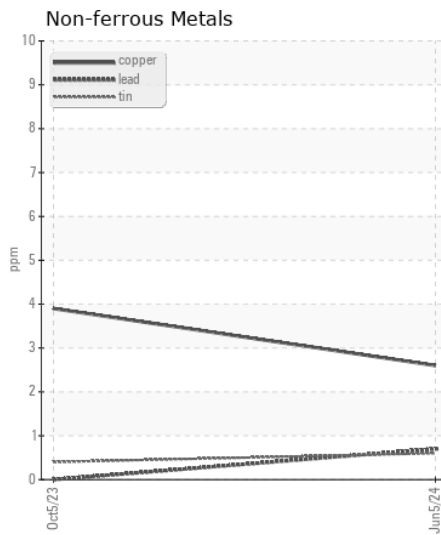
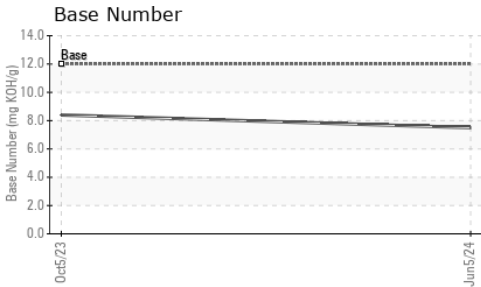
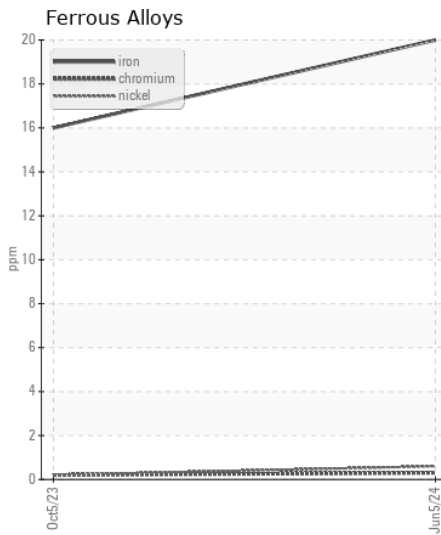
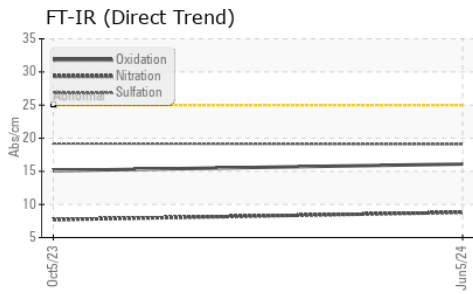
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	9	10	---
Potassium	ppm	ASTM D5185m	>20	26	38	---
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	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	8.8	7.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	19.2	---
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		<1	2	---
Boron	ppm	ASTM D5185m		88	3	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		104	52	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		664	943	---
Calcium	ppm	ASTM D5185m		1259	1084	---
Phosphorus	ppm	ASTM D5185m		772	968	---
Zinc	ppm	ASTM D5185m		914	1201	---
Sulfur	ppm	ASTM D5185m		3001	3343	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	15.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	7.5	8.4	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.5	14.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016512
Lab Number : 06219335
Unique Number : 11097532
Test Package : FLEET

Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Wes Davis

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)

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F: