



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area

[45110663]

Machine Id

PETERBILT 9571692 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		RPL0016523	RPL0013650	---
Sample Date		Client Info		26 Jun 2024	05 Oct 2023	---
Machine Age	mls	Client Info		102476	41971	---
Oil Age	mls	Client Info		13843	9491	---
Filter Age	mls	Client Info		13843	9491	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	28	32	---
Chromium	ppm	ASTM D5185m	>20	1	1	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	<1	0	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	6	11	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	7	8	---
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.

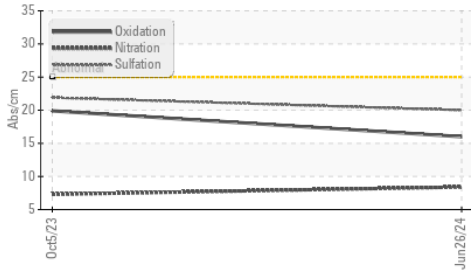
Silicon	ppm	ASTM D5185m	>25	8	15	---
Potassium	ppm	ASTM D5185m	>20	18	40	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.3	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	8.4	7.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	21.9	---
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

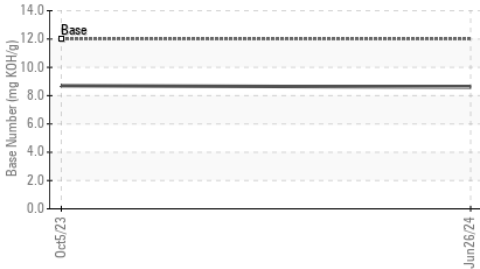
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	3	---
Boron	ppm	ASTM D5185m		12	40	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		64	40	---
Manganese	ppm	ASTM D5185m		2	1	---
Magnesium	ppm	ASTM D5185m		891	529	---
Calcium	ppm	ASTM D5185m		1142	1608	---
Phosphorus	ppm	ASTM D5185m		998	746	---
Zinc	ppm	ASTM D5185m		1217	934	---
Sulfur	ppm	ASTM D5185m		3457	2757	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	19.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	8.6	8.7	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.3	12.6	---

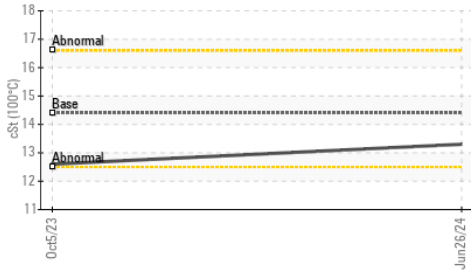
FT-IR (Direct Trend)



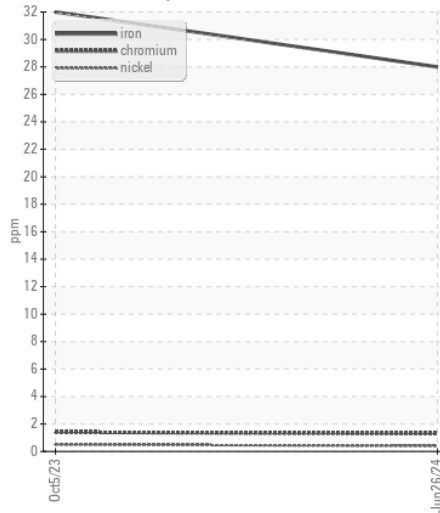
Base Number



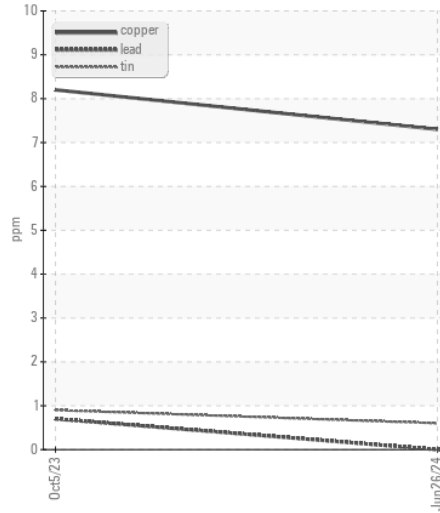
Viscosity @ 100°C



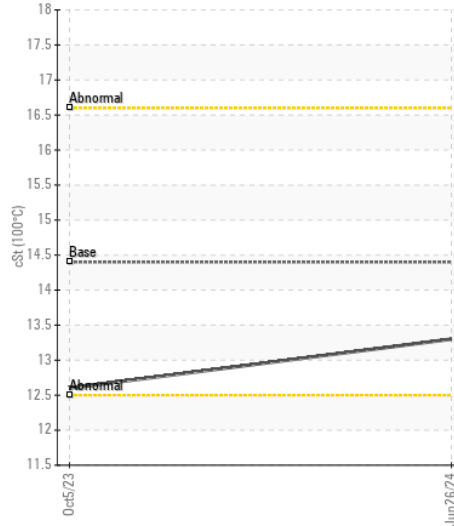
Ferrous Alloys



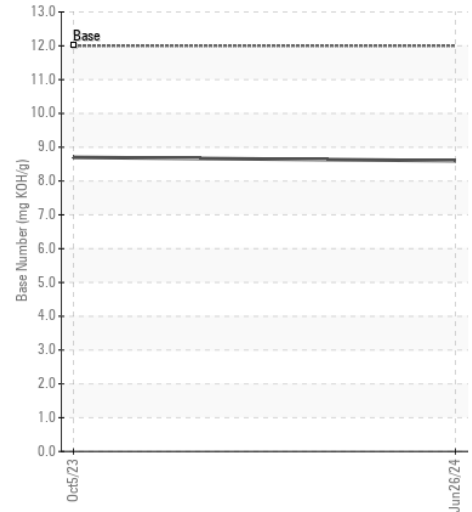
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : RPL0016523
 Lab Number : 06238804
 Unique Number : 11127638
 Test Package : FLEET

Received : 17 Jul 2024
 Tested : 17 Jul 2024
 Diagnosed : 17 Jul 2024 - Wes Davis

RTL PACLEASE - 7002 - San Antonio
 8810 IH-10 Frontage Road
 Converse, TX
 US 78109
 Contact: Mike Friel
 FrielM@RushEnterprises.Com
 T: (210)901-7283
 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)