OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[44547663]

Machine Id

PETERBILT 9571819

Component

Diesel Engine

Fluid

MOBIL DELVAC MX 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

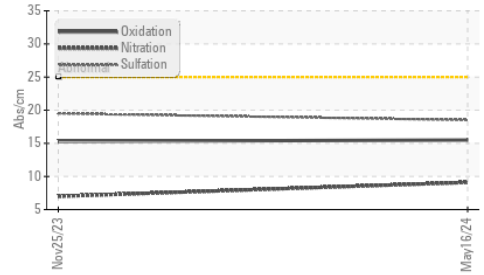
There is no indication of any contamination in the oil.

FLUID CONDITION

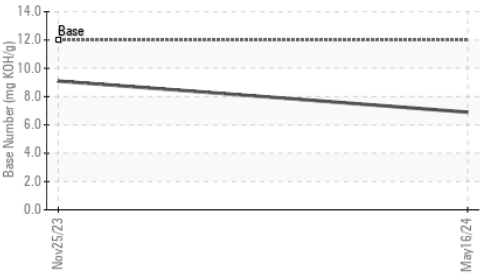
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016491	RPL0013712	---
Sample Date		Client Info		16 May 2024	25 Nov 2023	---
Machine Age	mls	Client Info		33317	19085	---
Oil Age	mls	Client Info		14232	8829	---
Filter Age	mls	Client Info		14232	8829	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>100	19	21	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	11	11	---
Lead	ppm	ASTM D5185m	>40	<1	<1	---
Copper	ppm	ASTM D5185m	>330	3	4	---
Tin	ppm	ASTM D5185m	>15	1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	7	8	---
Potassium	ppm	ASTM D5185m	>20	22	28	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	9.1	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	19.5	---
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	---
Sodium	ppm	ASTM D5185m		2	<1	---
Boron	ppm	ASTM D5185m		72	36	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		111	67	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		748	933	---
Calcium	ppm	ASTM D5185m		1302	1111	---
Phosphorus	ppm	ASTM D5185m		732	947	---
Zinc	ppm	ASTM D5185m		1002	1166	---
Sulfur	ppm	ASTM D5185m		3298	2680	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	15.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	6.9	9.1	---
Visc @ 100°C	cSt	ASTM D445	14.4	12.7	13.7	---

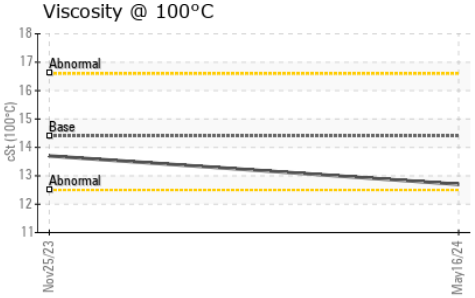
FT-IR (Direct Trend)



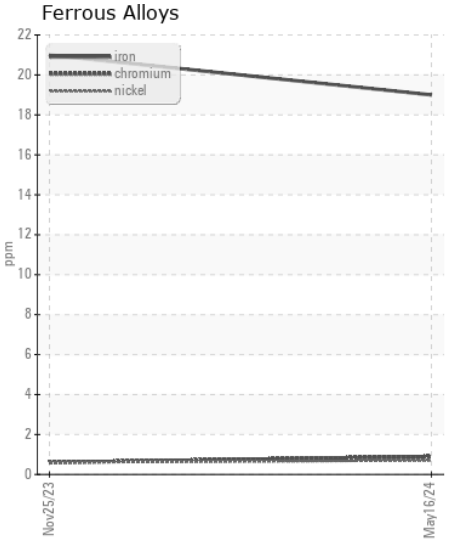
Base Number



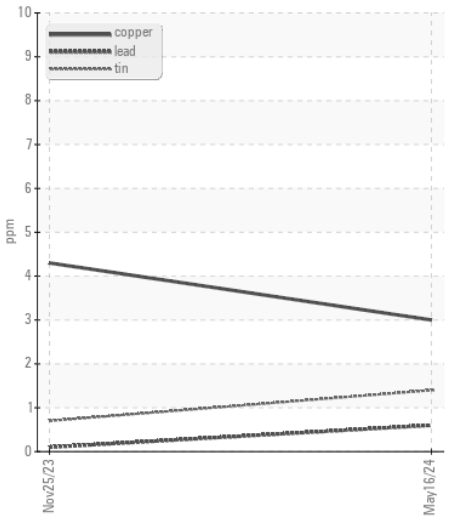
Viscosity @ 100°C



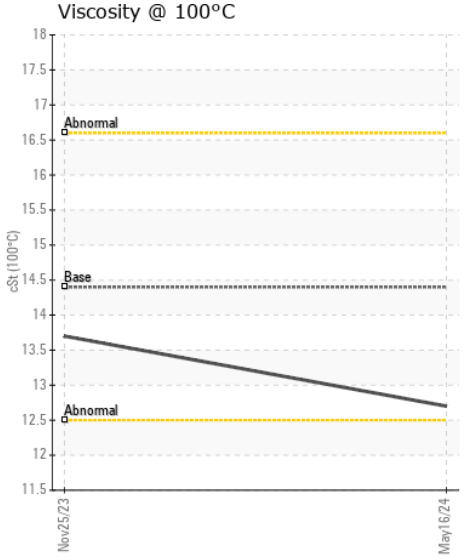
Ferrous Alloys



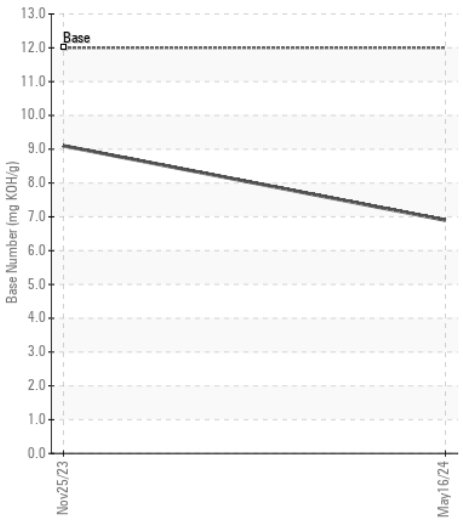
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: RPL0016491	**Received**	: 24 May 2024
Lab Number	: 06190287	**Tested**	: 25 May 2024
Unique Number	: 11047039	**Diagnosed**	: 25 May 2024 - Wes Davis
Test Package	: FLEET		

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)

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: