



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area

[44899330]

Machine Id

PETERBILT 9571579 AGE INDUSTRIES

Component

Diesel Engine

Fluid

MOBIL DELVAC MX 15W40 (23 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016513	RPL0013761	RPL0006785
Sample Date		Client Info		06 Jun 2024	08 Aug 2023	15 Nov 2022
Machine Age	mls	Client Info		102120	80008	57983
Oil Age	mls	Client Info		22112	22025	12999
Filter Age	mls	Client Info		22112	22025	12999
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	11	80	13
Chromium	ppm	ASTM D5185m	>20	<1	3	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	7	54	2
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	<1	0	1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

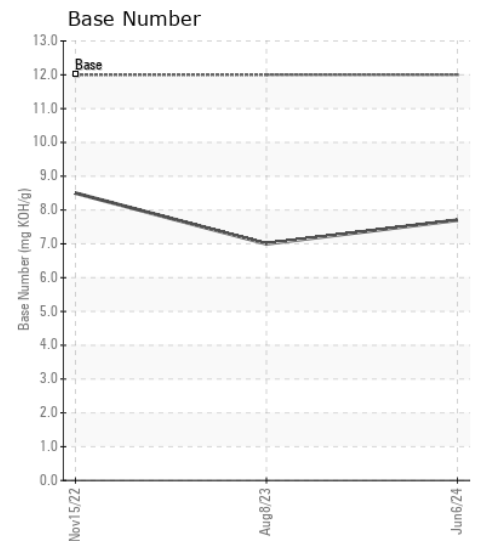
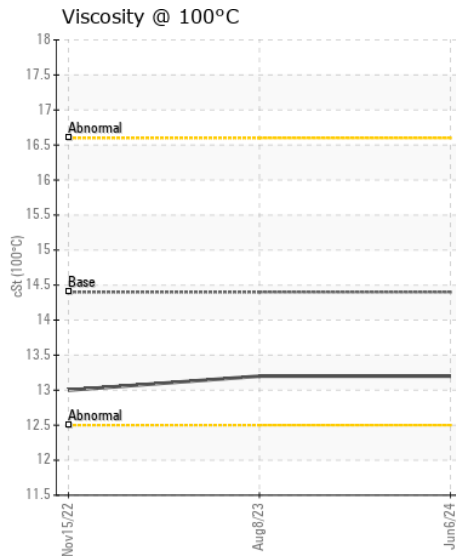
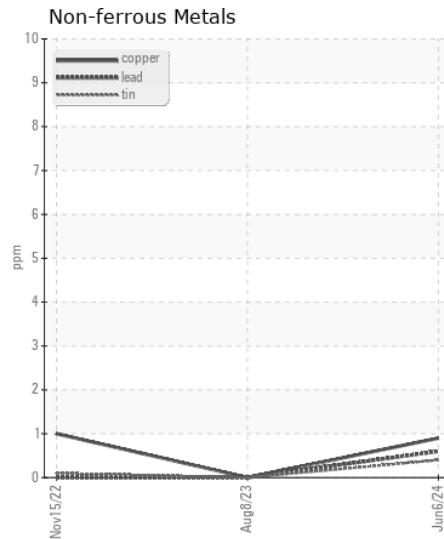
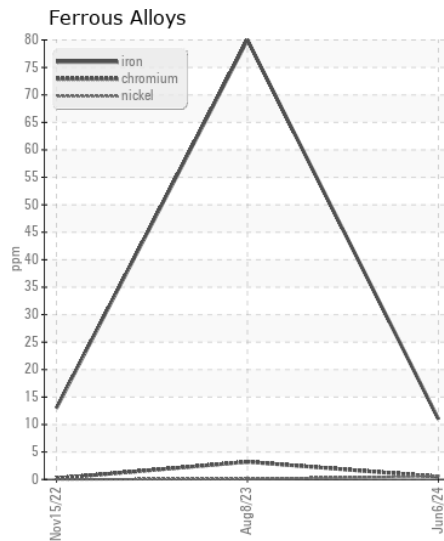
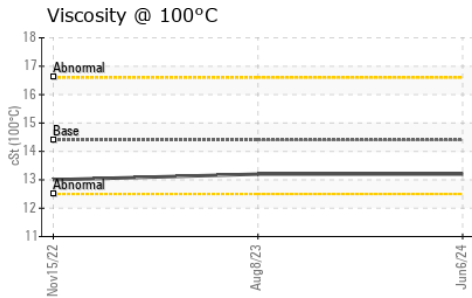
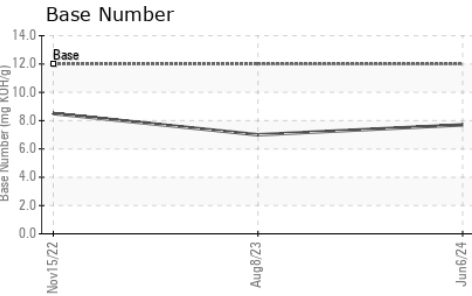
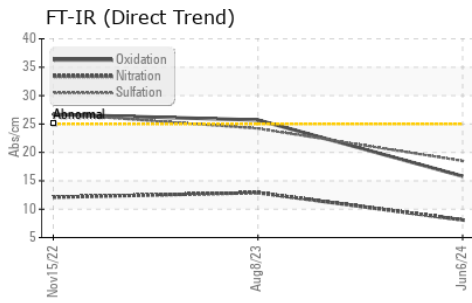
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	14	12	8
Potassium	ppm	ASTM D5185m	>20	8	96	2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.1	12.9	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	24.2	26.8
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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	4	1
Boron	ppm	ASTM D5185m		98	50	42
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		107	55	59
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		620	748	462
Calcium	ppm	ASTM D5185m		1293	2489	1660
Phosphorus	ppm	ASTM D5185m		746	1097	843
Zinc	ppm	ASTM D5185m		869	1492	1018
Sulfur	ppm	ASTM D5185m		3067	4656	3245
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	25.7	26.7
Base Number (BN)	mg KOH/g	ASTM D2896	12	7.7	7.0	8.5
Visc @ 100°C	cSt	ASTM D445	14.4	13.2	13.2	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016513
Lab Number : 06219333
Unique Number : 11097530
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: