



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area
[43033965]

Machine Id
PETERBILT 957-1649 Rental Unit

Component
Diesel Engine

Fluid
MOBIL DELVAC MX 15W40 (40 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016412	RPL0012130	RPL0006687
Sample Date		Client Info		06 Feb 2024	01 May 2023	20 Jan 2023
Machine Age	mls	Client Info		95828	69881	58294
Oil Age	mls	Client Info		25947	17402	16128
Filter Age	mls	Client Info		25947	17402	16128
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	12	34	22
Chromium	ppm	ASTM D5185m	>5	<1	3	2
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	4	16	10
Lead	ppm	ASTM D5185m	>150	0	2	<1
Copper	ppm	ASTM D5185m	>90	<1	2	2
Tin	ppm	ASTM D5185m	>5	0	1	5
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

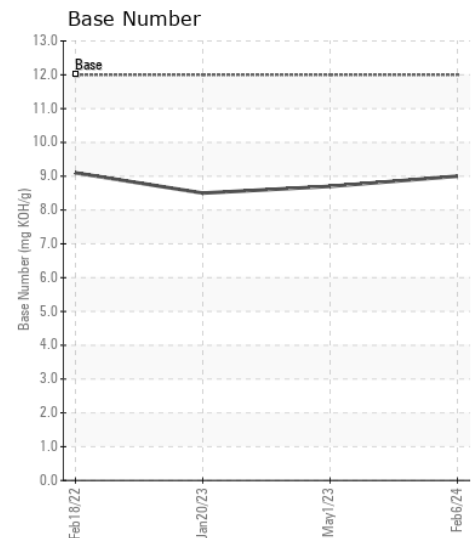
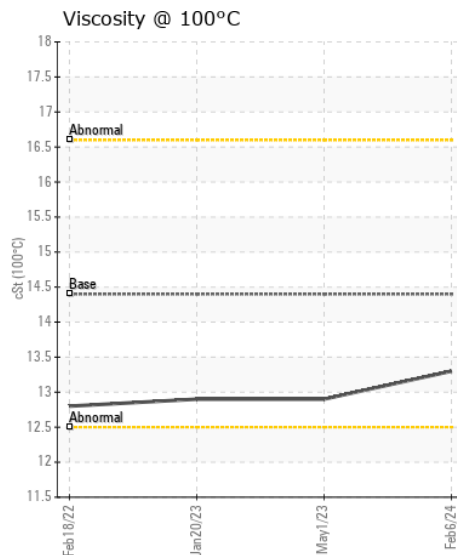
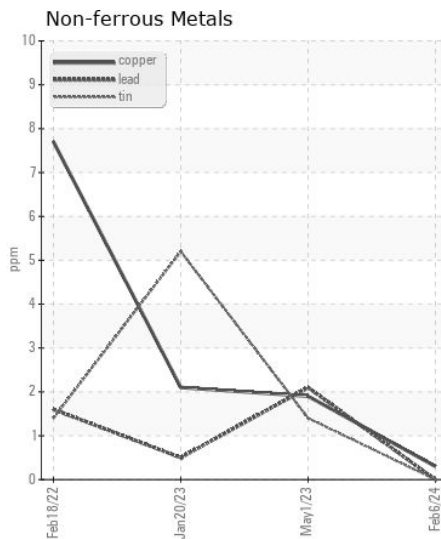
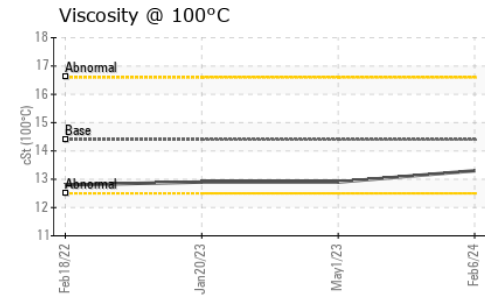
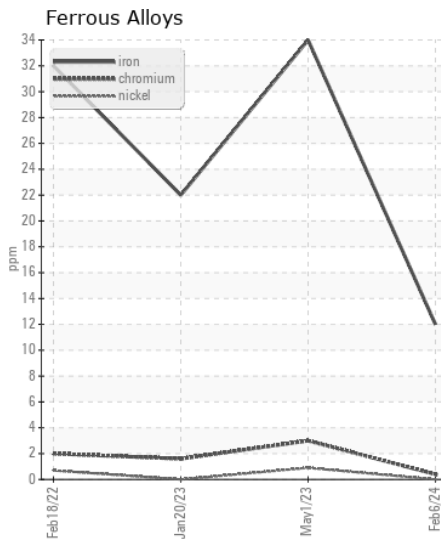
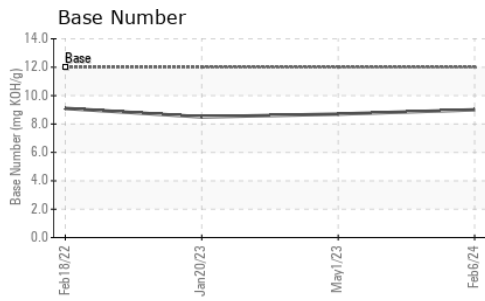
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	6	10	9
Potassium	ppm	ASTM D5185m	>20	14	44	28
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.2	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.1	8.7	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	23.3	22.9
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		0	3	3
Boron	ppm	ASTM D5185m		5	37	56
Barium	ppm	ASTM D5185m		8	0	0
Molybdenum	ppm	ASTM D5185m		57	40	39
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m		844	588	506
Calcium	ppm	ASTM D5185m		1083	1761	1593
Phosphorus	ppm	ASTM D5185m		839	794	719
Zinc	ppm	ASTM D5185m		1114	1007	865
Sulfur	ppm	ASTM D5185m		2877	3110	2901
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	20.8	21.7
Base Number (BN)	mg KOH/g	ASTM D2896	12	9.0	8.7	8.5
Visc @ 100°C	cSt	ASTM D445	14.4	13.3	12.9	12.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016412
Lab Number : 06088545
Unique Number : 10875990
Test Package : FLEET

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Wes Davis

RTL PACLEASE - 7002 - San Antonio
 8810 IH-10 Frontage Road
 Converse, TX
 US 78109

Contact: Mike Friel
 FrielM@RushEnterprises.Com

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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)