



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
PETERBILT 846-4682
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0013523	RPL0009112	RPL0006078
Sample Date		Client Info		07 Dec 2023	24 Feb 2023	01 Sep 2022
Machine Age	mls	Client Info		247181	191418	148962
Oil Age	mls	Client Info		55763	61000	18554
Filter Age	mls	Client Info		55763	61000	18554
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

The chromium level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	70	46	16
Chromium	ppm	ASTM D5185m	>4	▲ 10	3	1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	8	14	11
Lead	ppm	ASTM D5185m	>45	7	9	2
Copper	ppm	ASTM D5185m	>85	4	2	1
Tin	ppm	ASTM D5185m	>4	2	2	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

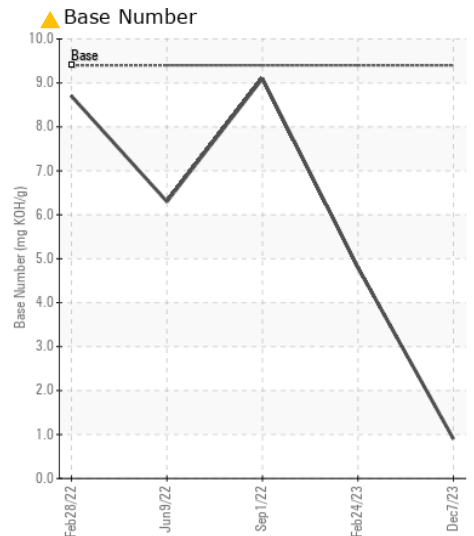
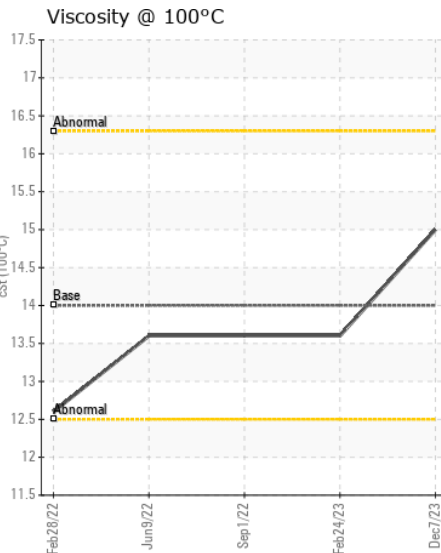
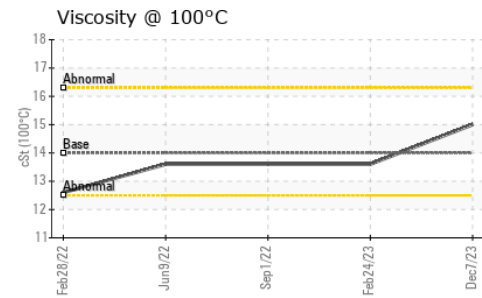
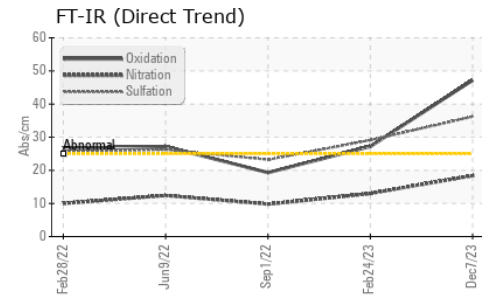
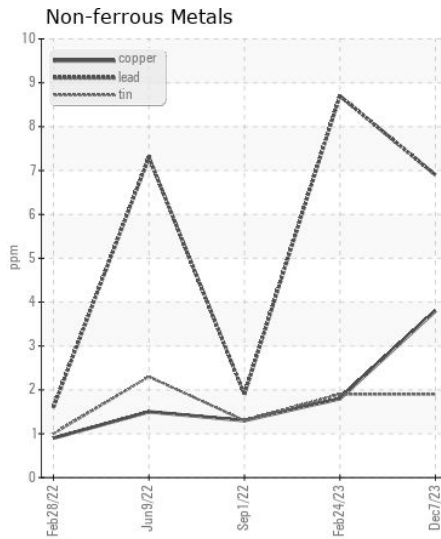
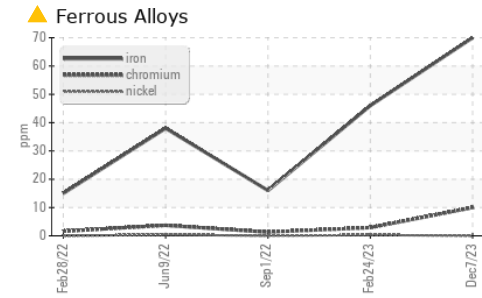
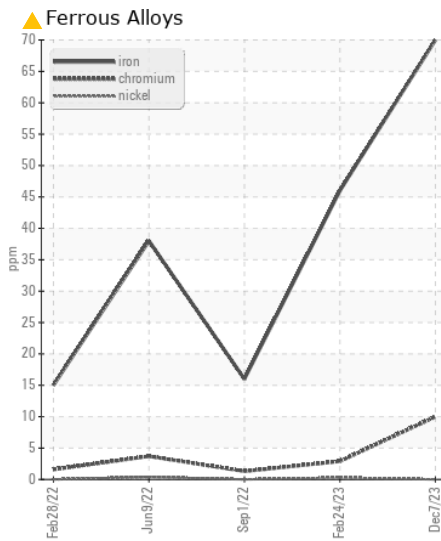
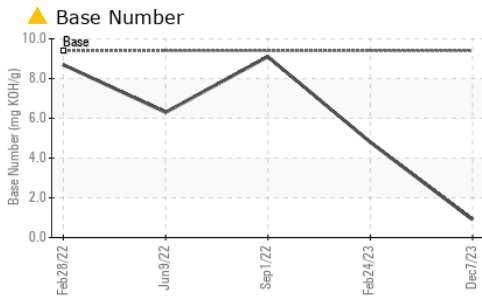
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	16	9	6
Potassium	ppm	ASTM D5185m	>20	16	34	25
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	0.8	0.8	0.4
Nitration	Abs/cm	*ASTM D7624	>20	18.4	13.0	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.2	29.1	23.2
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 level is low. The oil is no longer serviceable.

Sodium	ppm	ASTM D5185m		5	2	0
Boron	ppm	ASTM D5185m	0	5	27	13
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	62	65	68
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m	0	944	747	803
Calcium	ppm	ASTM D5185m		1192	1752	1322
Phosphorus	ppm	ASTM D5185m		1038	1011	990
Zinc	ppm	ASTM D5185m		1254	1266	1198
Sulfur	ppm	ASTM D5185m		2935	2945	2953
Oxidation	Abs/.1mm	*ASTM D7414	>25	47.2	27.2	19.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	▲ 0.9	4.8	9.1
Visc @ 100°C	cSt	ASTM D445	14	15.0	13.6	13.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0013523
Lab Number : 06155679
Unique Number : 10991102
Test Package : FLEET

Received : 22 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 24 Apr 2024 - Don Baldrige

RTL PACLEASE - 7011 - El Cajon
 275 Vernon Way
 El Cajon, CA
 US 92020

Contact: Rudy Manager
 TrevizoR@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: