



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
PETERBILT 8464678
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (18 QTS)

RECOMMENDATION

We advise that you check the fuel injection system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021033	RPL0017939	RPL0016804
Sample Date		Client Info		07 Jun 2024	08 Mar 2024	08 Dec 2023
Machine Age	mls	Client Info		86745	80384	74054
Oil Age	mls	Client Info		223158	6330	5345
Filter Age	mls	Client Info		0	6330	5345
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	19	11	29
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	19	16	19
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	<1	2
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

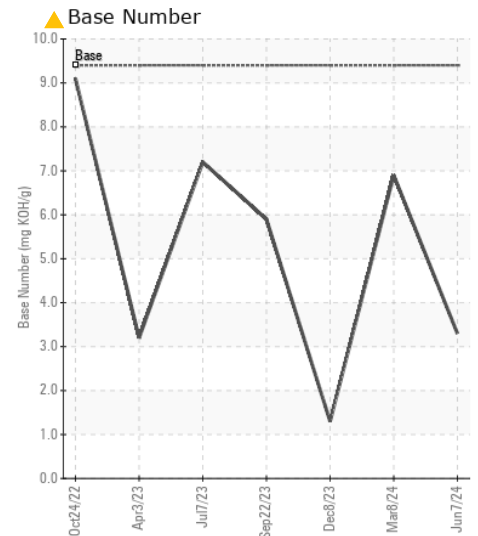
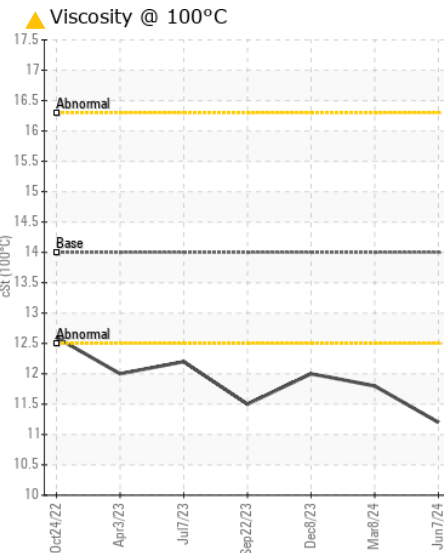
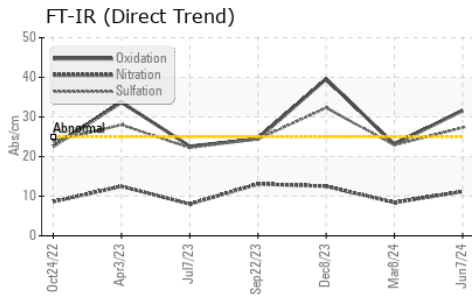
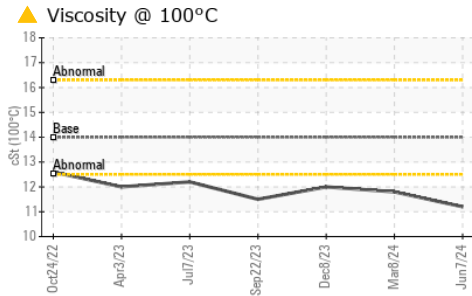
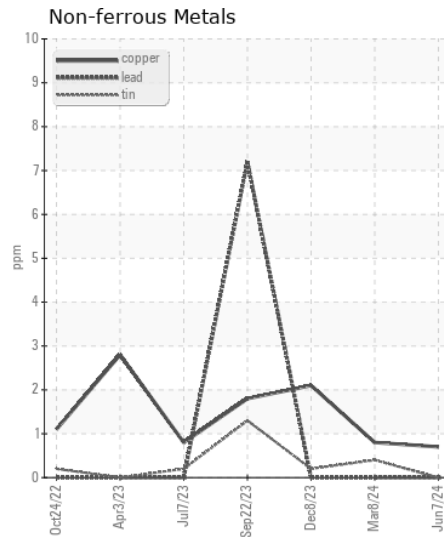
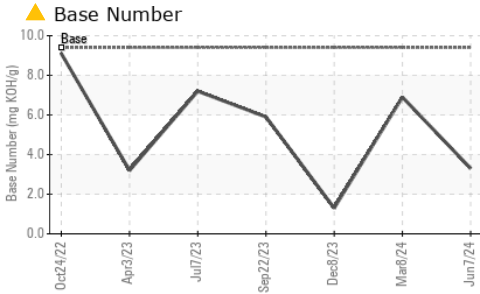
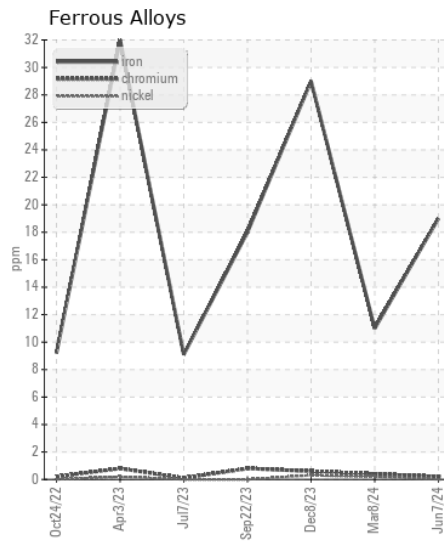
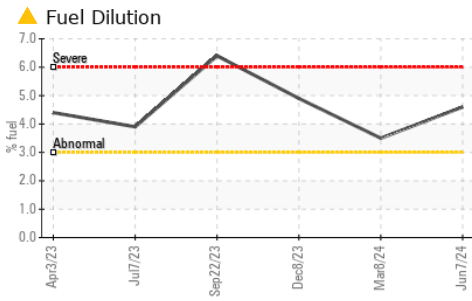
There is a moderate amount of fuel present in the oil.

Silicon	ppm	ASTM D5185m	>25	4	5	5
Potassium	ppm	ASTM D5185m	>20	60	49	63
Fuel	%	ASTM D3524	>3.0	▲ 4.6	▲ 3.5	▲ 4.9
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.2	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	11.2	8.4	12.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	22.9	32.3
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

Fuel is present in the oil and is lowering the viscosity. The BN level is low.

Sodium	ppm	ASTM D5185m		2	<1	2
Boron	ppm	ASTM D5185m	0	2	3	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	63	62	54
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	0	1008	921	872
Calcium	ppm	ASTM D5185m		1190	1064	983
Phosphorus	ppm	ASTM D5185m		985	995	852
Zinc	ppm	ASTM D5185m		1300	1220	1167
Sulfur	ppm	ASTM D5185m		3756	3223	2804
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.6	23.1	39.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	▲ 3.3	6.9	▲ 1.3
Visc @ 100°C	cSt	ASTM D445	14	▲ 11.2	▲ 11.8	▲ 12.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021033 **Received** : 18 Jun 2024
Lab Number : 06213177 **Tested** : 20 Jun 2024
Unique Number : 11086041 **Diagnosed** : 20 Jun 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: PercentFuel)

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: GERARDO CARROLA
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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: