



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(00000)
Machine Id
PETERBILT 8465101
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (48 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021843	RPL0019409	RPL0016846
Sample Date		Client Info		17 Jun 2024	22 Mar 2024	19 Dec 2023
Machine Age	mls	Client Info		94356	77628	62245
Oil Age	mls	Client Info		16728	15383	62245
Filter Age	mls	Client Info		16728	15383	62245
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	MARGINAL	ATTENTION

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>165	7	8	5
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	5	5
Lead	ppm	ASTM D5185m	>150	3	2	<1
Copper	ppm	ASTM D5185m	>90	1	<1	1
Tin	ppm	ASTM D5185m	>5	<1	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

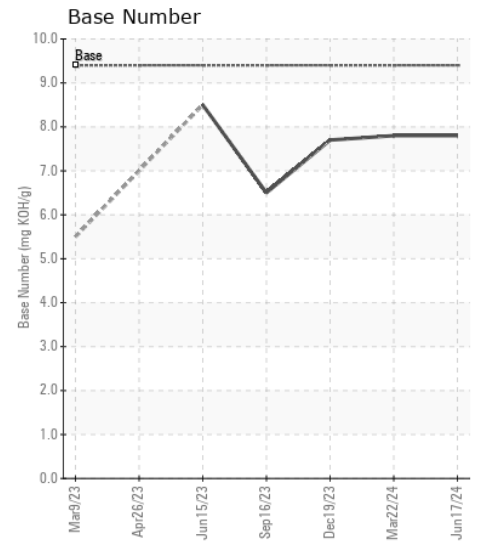
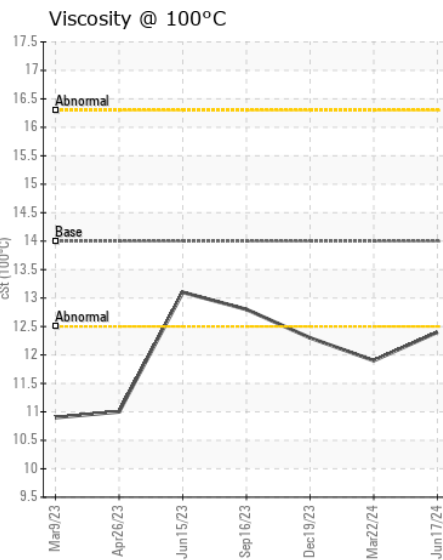
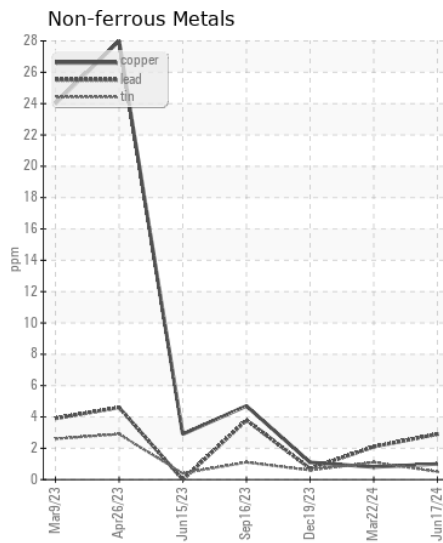
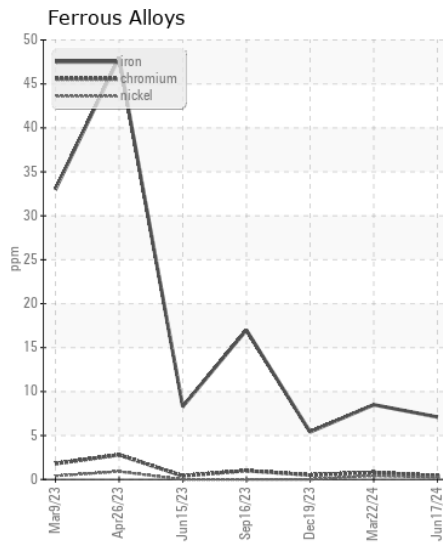
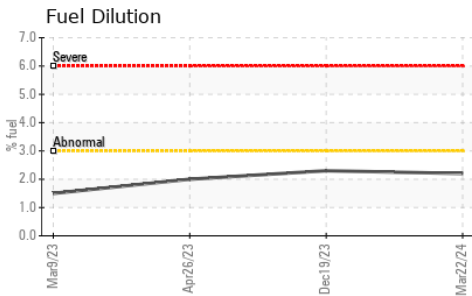
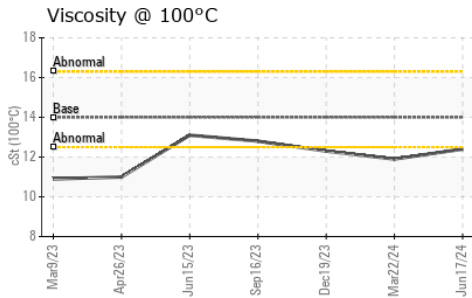
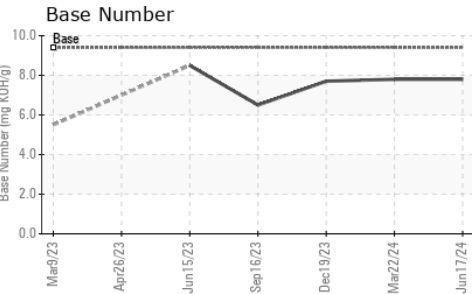
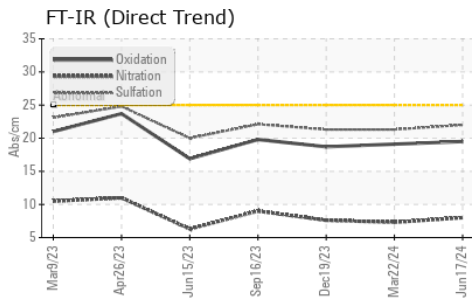
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	6	6	5
Potassium	ppm	ASTM D5185m	>20	10	20	14
Fuel	%	ASTM D3524	>3.0	<1.0	▲ 2.2	▲ 2.3
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.0	7.3	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	21.3	21.3
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

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	0	0
Boron	ppm	ASTM D5185m	0	3	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	61	63	60
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	941	971	948
Calcium	ppm	ASTM D5185m		1101	1126	1023
Phosphorus	ppm	ASTM D5185m		1178	951	1070
Zinc	ppm	ASTM D5185m		1298	1221	1244
Sulfur	ppm	ASTM D5185m		3233	3250	3029
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	19.1	18.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.8	7.8	7.7
Visc @ 100°C	cSt	ASTM D445	14	12.4	11.9	12.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021843
Lab Number : 06230043
Unique Number : 11113536
Test Package : FLEET (Additional Tests: FuelDilution)

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