



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 8464768
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019279	RPL0013788	RPL0011929
Sample Date		Client Info		13 Mar 2024	13 Sep 2023	16 Jun 2023
Machine Age	mls	Client Info		85555	72572	56133
Oil Age	mls	Client Info		72572	72572	56133
Filter Age	mls	Client Info		0	0	56133
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>110	19	10	58
Chromium	ppm	ASTM D5185m	>4	2	<1	5
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	7	3	17
Lead	ppm	ASTM D5185m	>45	1	1	7
Copper	ppm	ASTM D5185m	>85	2	4	10
Tin	ppm	ASTM D5185m	>4	<1	1	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

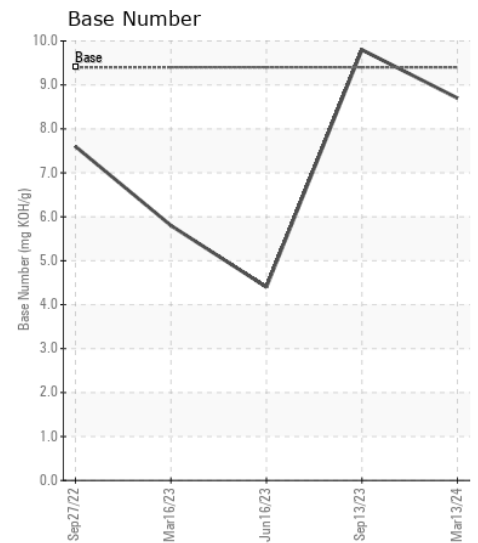
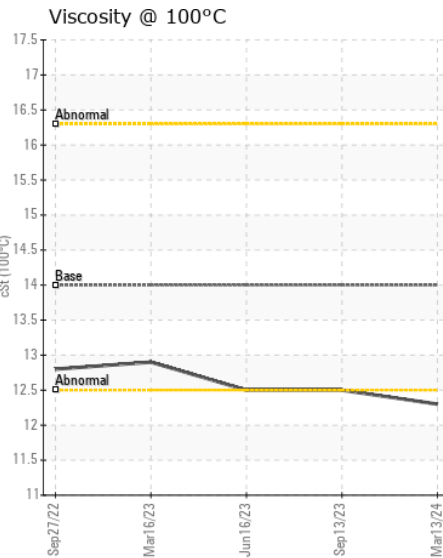
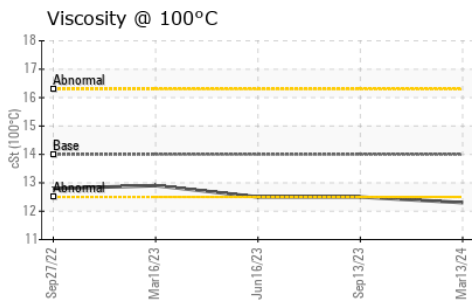
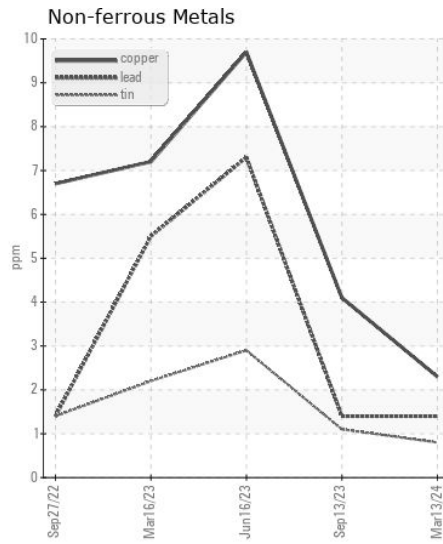
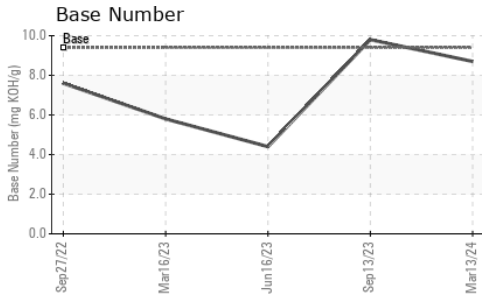
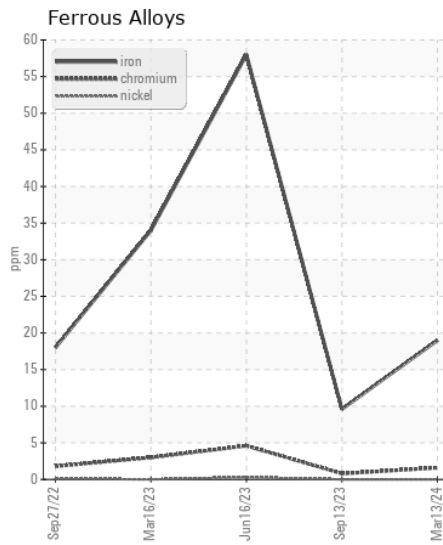
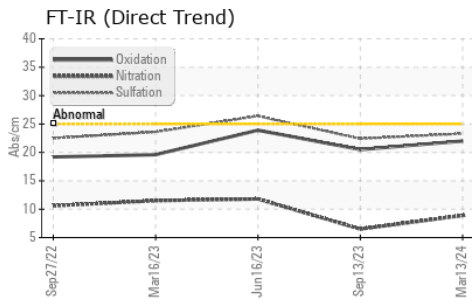
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	8	8	16
Potassium	ppm	ASTM D5185m	>20	16	9	47
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	0.4	0.2	0.6
Nitration	Abs/cm	*ASTM D7624	>20	8.9	6.5	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	22.4	26.4
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		3	5	4
Boron	ppm	ASTM D5185m	0	33	57	25
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	37	36	12
Manganese	ppm	ASTM D5185m		<1	2	3
Magnesium	ppm	ASTM D5185m	0	530	532	716
Calcium	ppm	ASTM D5185m		1717	1580	1575
Phosphorus	ppm	ASTM D5185m		735	724	726
Zinc	ppm	ASTM D5185m		904	868	885
Sulfur	ppm	ASTM D5185m		2690	2364	3414
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.0	20.5	23.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.7	9.8	4.40
Visc @ 100°C	cSt	ASTM D445	14	12.3	12.5	12.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019279
Lab Number : 06225927
Unique Number : 11109420
Test Package : FLEET

Received : 02 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 03 Jul 2024 - Wes Davis

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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