



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 459619
Component
Diesel Engine
Fluid
MOBIL DELVAC SUPER 1400 15W40 (47 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0011803	RPL0011739	RPL0011640
Sample Date		Client Info		21 Jun 2024	10 Feb 2024	20 Sep 2023
Machine Age	hrs	Client Info		88361	40596	16642
Oil Age	hrs	Client Info		26014	23954	16642
Filter Age	hrs	Client Info		26014	23954	16642
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	19	30	39
Chromium	ppm	ASTM D5185m	>4	0	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	13	44	51
Lead	ppm	ASTM D5185m	>45	0	<1	<1
Copper	ppm	ASTM D5185m	>85	2	4	12
Tin	ppm	ASTM D5185m	>4	<1	1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

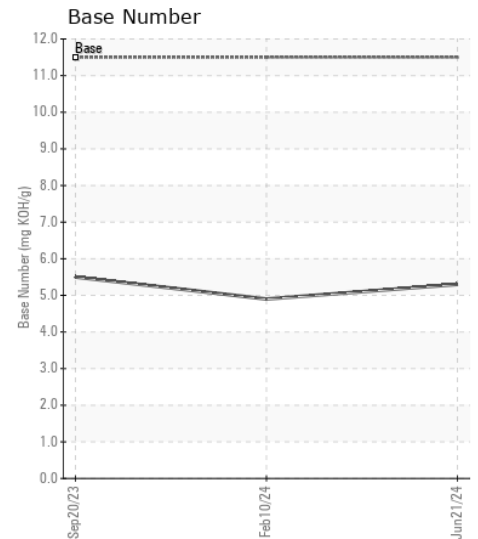
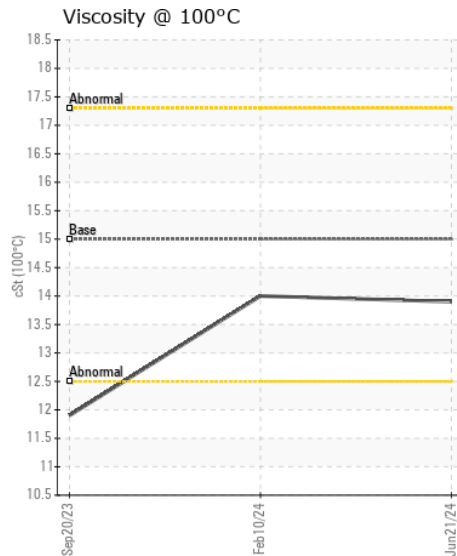
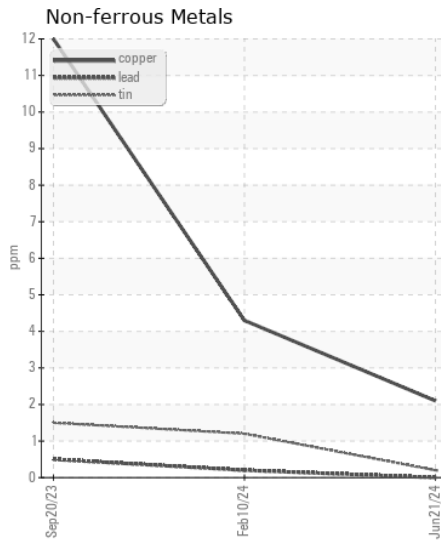
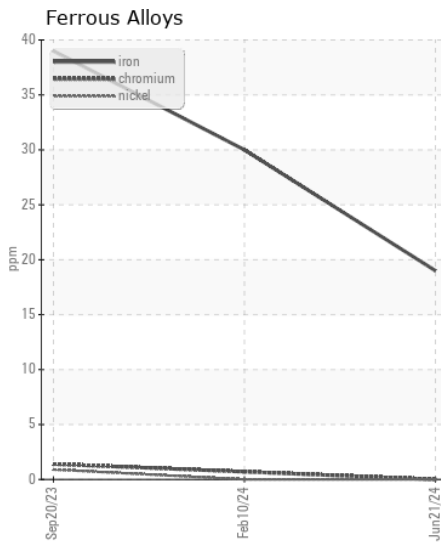
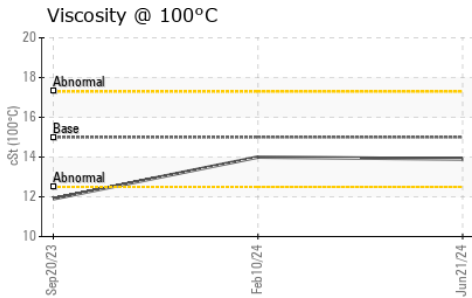
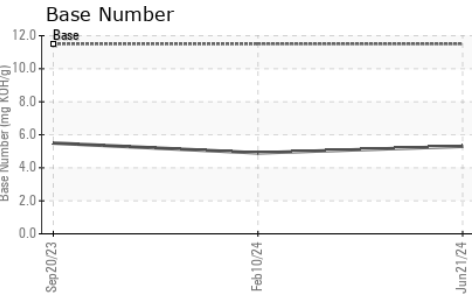
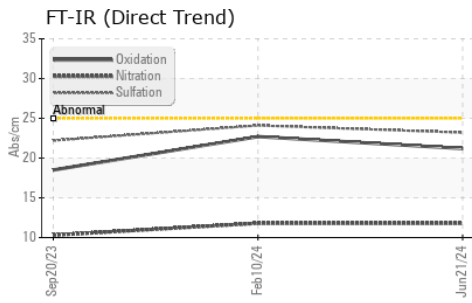
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	10	9	12
Potassium	ppm	ASTM D5185m	>20	23	99	130
Fuel		WC Method	>5	<1.0	<1.0	0.3
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	11.8	11.8	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	24.1	22.2
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 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		2	2	3
Boron	ppm	ASTM D5185m		17	13	25
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		116	101	7
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		843	841	718
Calcium	ppm	ASTM D5185m		1283	1303	1360
Phosphorus	ppm	ASTM D5185m		870	869	710
Zinc	ppm	ASTM D5185m		1039	1059	848
Sulfur	ppm	ASTM D5185m		3493	3104	2859
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.2	22.7	18.5
Base Number (BN)	mg KOH/g	ASTM D2896	11.5	5.3	4.9	5.5
Visc @ 100°C	cSt	ASTM D445	15.0	13.9	14.0	11.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0011803
Lab Number : 06220628
Unique Number : 11098825
Test Package : FLEET

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Wes Davis

RTL PACLEASE - 7018 - West Texas
 1230 South Grandview
 Odessa, TX
 US 79761

Contact: David Johnson
 JohnsonD@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: