



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
PETERBILT 8464981
Component
Diesel Engine
Fluid
MOBIL DELVAC 1 5W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

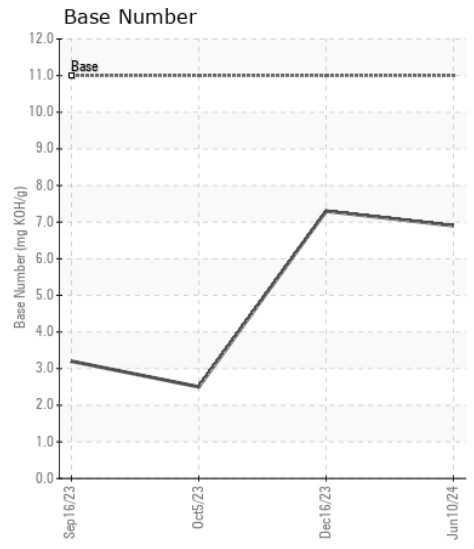
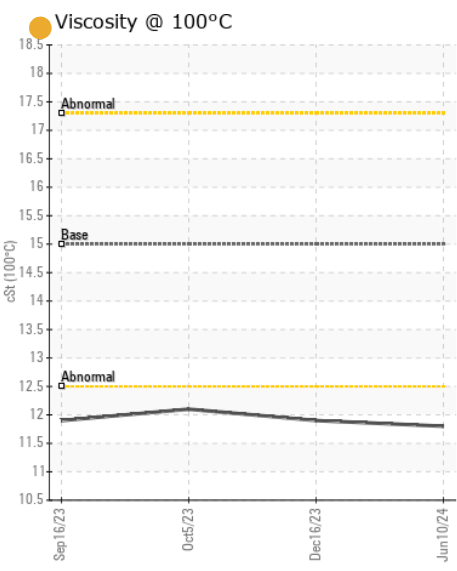
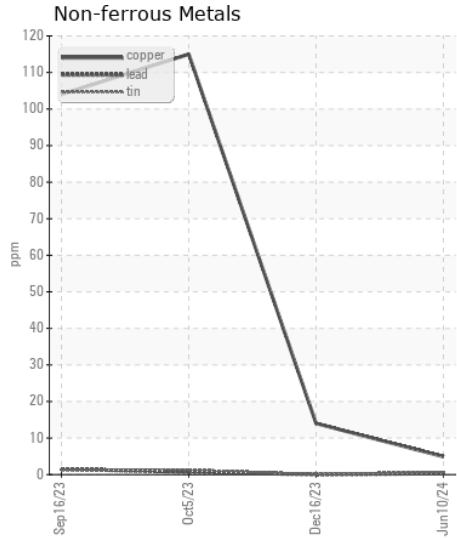
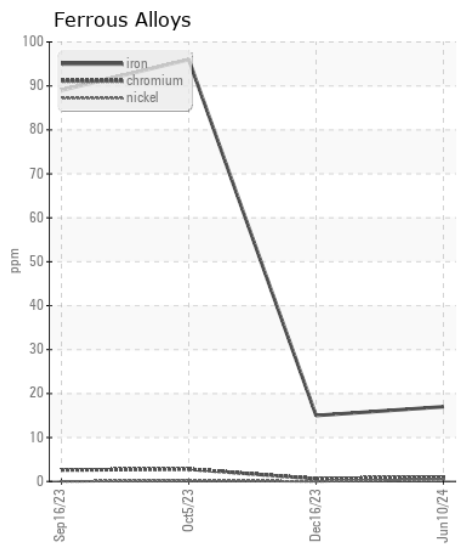
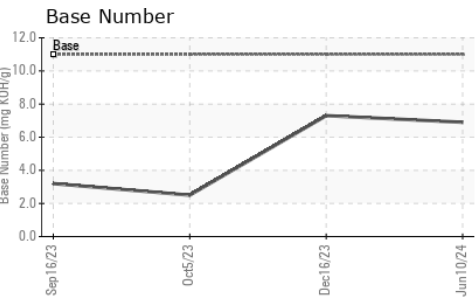
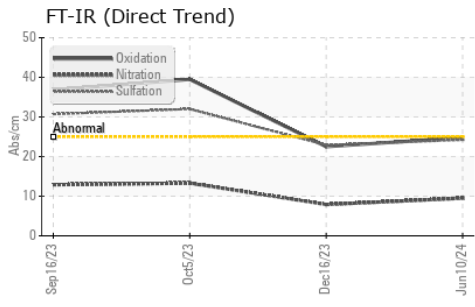
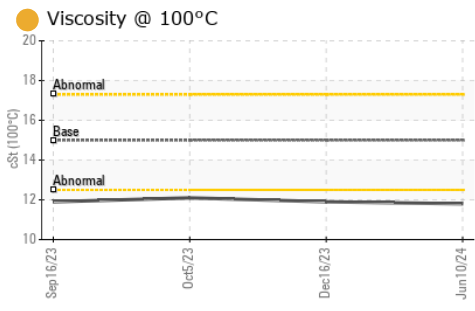
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021041	RPL0016862	RPL0015529
Sample Date		Client Info		10 Jun 2024	16 Dec 2023	05 Oct 2023
Machine Age	mls	Client Info		53842	31749	24275
Oil Age	mls	Client Info		9884	31749	0
Filter Age	mls	Client Info		9884	0	0
Oil Changed		Client Info		Filtered	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>110	17	15	96
Chromium	ppm	ASTM D5185m	>4	1	<1	3
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	4	3	15
Lead	ppm	ASTM D5185m	>45	<1	0	<1
Copper	ppm	ASTM D5185m	>85	5	14	▲ 115
Tin	ppm	ASTM D5185m	>4	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	7	7	▲ 39
Potassium	ppm	ASTM D5185m	>20	9	4	28
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	0.3	0.2	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.5	7.9	13.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2	22.9	32.0
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
Sodium	ppm	ASTM D5185m		<1	<1	6
Boron	ppm	ASTM D5185m	291	3	9	75
Barium	ppm	ASTM D5185m	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185m	8.0	64	64	105
Manganese	ppm	ASTM D5185m		<1	1	10
Magnesium	ppm	ASTM D5185m	624	932	919	604
Calcium	ppm	ASTM D5185m	2158	1077	1049	1417
Phosphorus	ppm	ASTM D5185m	1132	929	1033	586
Zinc	ppm	ASTM D5185m	1300	1207	1191	732
Sulfur	ppm	ASTM D5185m	3616	3054	2918	1863
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.8	22.5	39.5
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	6.9	7.3	▲ 2.5
Visc @ 100°C	cSt	ASTM D445	15.0	● 11.8	● 11.9	● 12.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021041
Lab Number : 06213155
Unique Number : 11086019
Test Package : FLEET

Received : 18 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 20 Jun 2024 - Don Baldrige

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: FRANK MARIN
 Marinf@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)