



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
PETERBILT 8464303
Component
Diesel Engine
Fluid
MOBIL DELVAC 1 5W40 (48 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

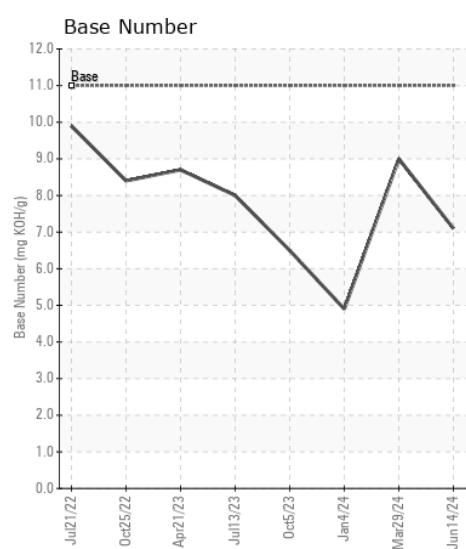
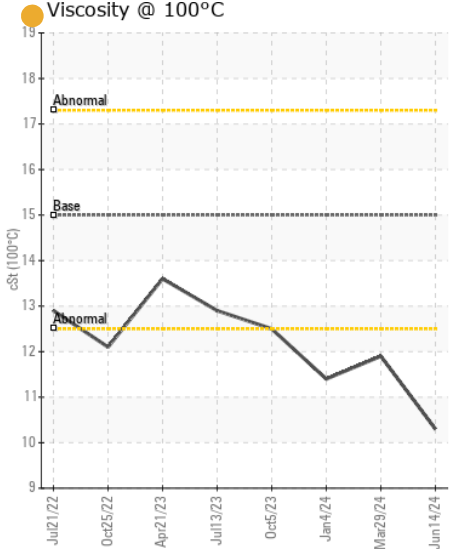
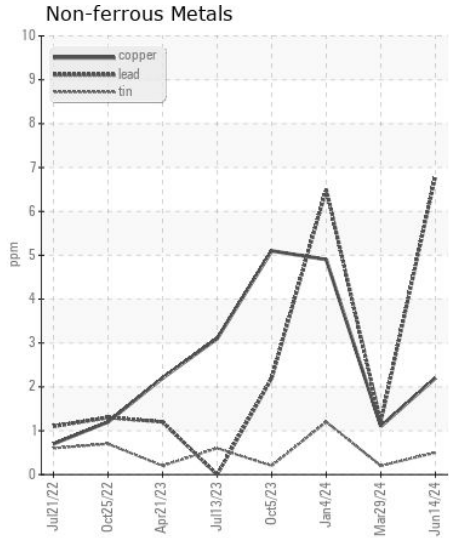
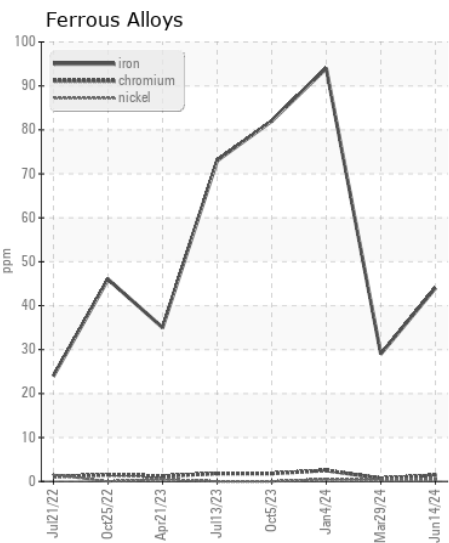
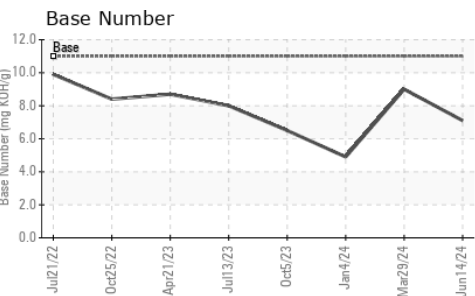
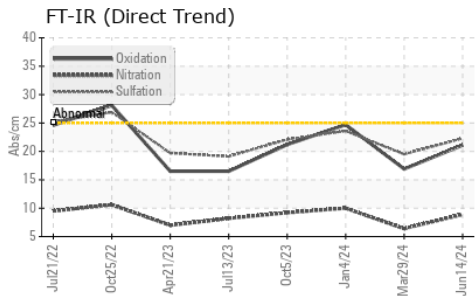
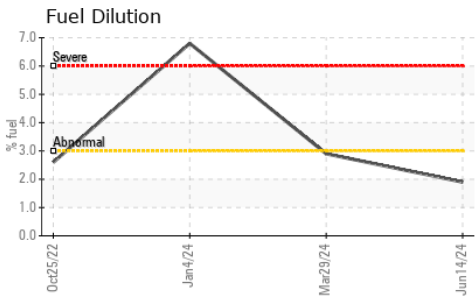
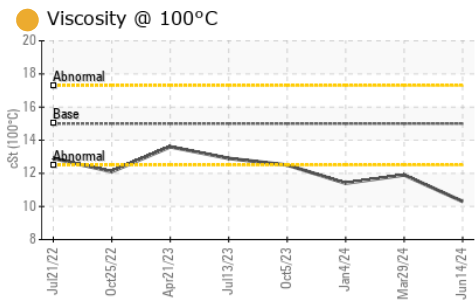
CONTAMINATION

Fuel content negligible. 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		RPL0021039	RPL0019382	RPL0017412
Sample Date		Client Info		14 Jun 2024	29 Mar 2024	04 Jan 2024
Machine Age	mls	Client Info		136368	130389	127996
Oil Age	mls	Client Info		5979	2393	10990
Filter Age	mls	Client Info		5979	2393	10990
Oil Changed		Client Info		Not Changd	Filtered	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	ABNORMAL	SEVERE
Iron	ppm	ASTM D5185m	>165	44	29	94
Chromium	ppm	ASTM D5185m	>5	1	<1	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	6	2	10
Lead	ppm	ASTM D5185m	>150	7	1	6
Copper	ppm	ASTM D5185m	>90	2	1	5
Tin	ppm	ASTM D5185m	>5	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>35	5	5	5
Potassium	ppm	ASTM D5185m	>20	10	4	21
Fuel	%	ASTM D3524	>3.0	1.9	▲ 2.9	▲ 6.8
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.4	0.2	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.9	6.4	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	19.5	23.6
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		4	<1	0
Boron	ppm	ASTM D5185m	291	2	0	2
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	8.0	58	60	55
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m	624	935	1002	909
Calcium	ppm	ASTM D5185m	2158	1062	1121	1019
Phosphorus	ppm	ASTM D5185m	1132	1020	1082	920
Zinc	ppm	ASTM D5185m	1300	1238	1294	1181
Sulfur	ppm	ASTM D5185m	3616	3208	3840	2726
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.1	16.9	24.7
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	7.1	9.0	4.9
Visc @ 100°C	cSt	ASTM D445	15.0	● 10.3	▲ 11.9	▲ 11.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021039 **Received** : 27 Jun 2024
Lab Number : 06222229 **Tested** : 01 Jul 2024
Unique Number : 11100426 **Diagnosed** : 01 Jul 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: PercentFuel)

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 Contact: GERARDO CARROLA
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Certificate L2367
 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)