



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
PETERBILT 8464999
Component
Diesel Engine
Fluid
MOBIL DELVAC ELITE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

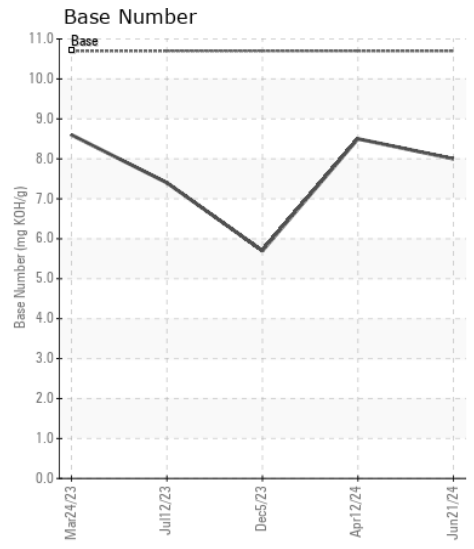
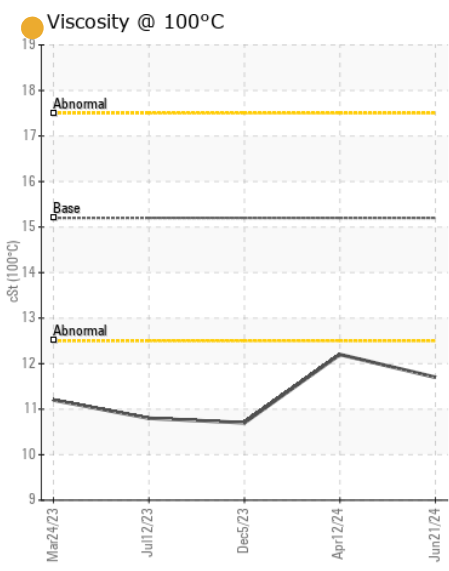
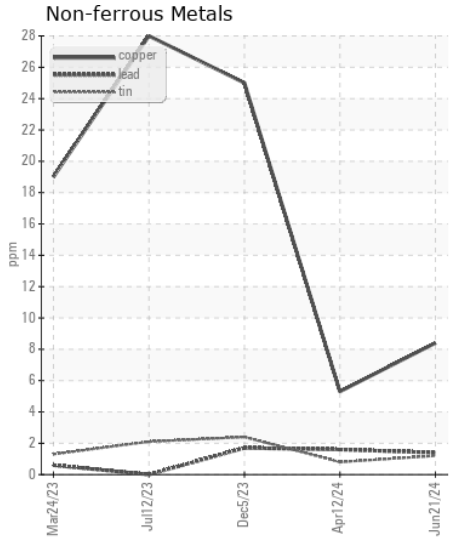
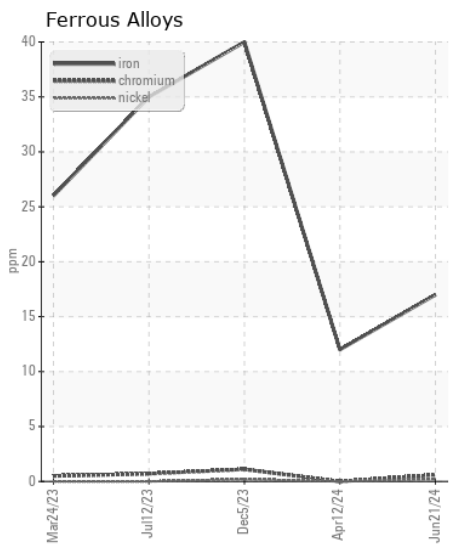
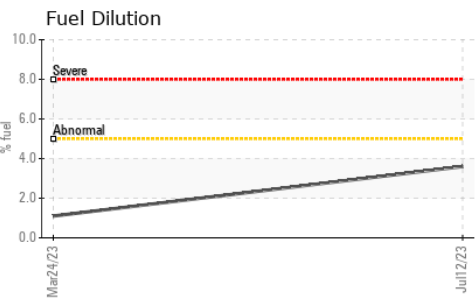
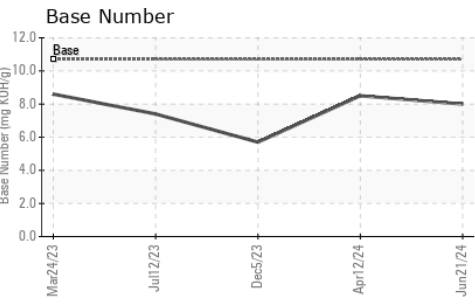
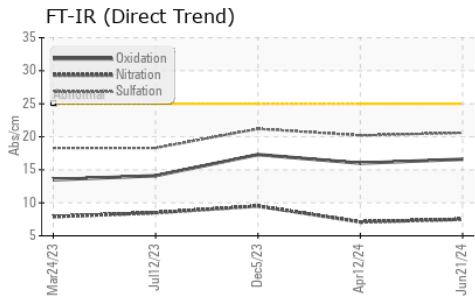
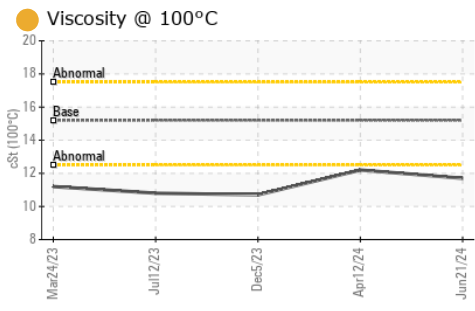
CONTAMINATION

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		RPL0021928	RPL0019313	RPL0016815
Sample Date		Client Info		21 Jun 2024	12 Apr 2024	05 Dec 2023
Machine Age	mls	Client Info		21803	20455	9702
Oil Age	mls	Client Info		21803	10753	9702
Filter Age	mls	Client Info		21803	10753	9702
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>110	17	12	40
Chromium	ppm	ASTM D5185m	>4	<1	0	1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	9	7	11
Lead	ppm	ASTM D5185m	>45	1	2	2
Copper	ppm	ASTM D5185m	>85	8	5	25
Tin	ppm	ASTM D5185m	>4	1	<1	2
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	11	9	42
Potassium	ppm	ASTM D5185m	>20	28	25	37
Fuel	%	ASTM D3524	>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	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.5	7.1	9.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	20.2	21.2
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
Sodium	ppm	ASTM D5185m		3	1	5
Boron	ppm	ASTM D5185m		7	7	39
Barium	ppm	ASTM D5185m		5	0	1
Molybdenum	ppm	ASTM D5185m		56	54	17
Manganese	ppm	ASTM D5185m		<1	1	5
Magnesium	ppm	ASTM D5185m		901	908	694
Calcium	ppm	ASTM D5185m		1086	1109	1190
Phosphorus	ppm	ASTM D5185m		1123	1027	652
Zinc	ppm	ASTM D5185m		1204	1172	798
Sulfur	ppm	ASTM D5185m		3181	3491	2589
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	16.0	17.3
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	8.0	8.5	5.7
Visc @ 100°C	cSt	ASTM D445	15.2	11.7	12.2	10.7



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021928 **Received** : 08 Jul 2024
Lab Number : 06230035 **Tested** : 09 Jul 2024
Unique Number : 11113528 **Diagnosed** : 09 Jul 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: FuelDilution)

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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)