



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**PETERBILT 8463617**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0020547</b>	RPL0016018	RPL0016109
Sample Date		Client Info		<b>11 Jun 2024</b>	28 Nov 2023	20 Nov 2023
Machine Age	mls	Client Info		<b>325597</b>	311749	311749
Oil Age	mls	Client Info		<b>0</b>	0	37866
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	<b>9</b>	16	16
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	8	8
Lead	ppm	ASTM D5185m	>45	<b>1</b>	2	2
Copper	ppm	ASTM D5185m	>85	<b>2</b>	3	4
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

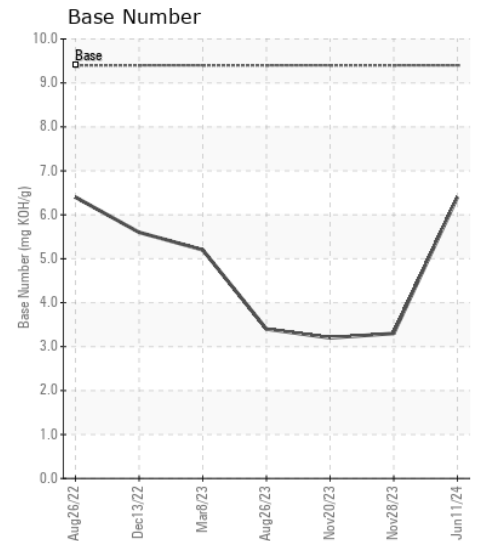
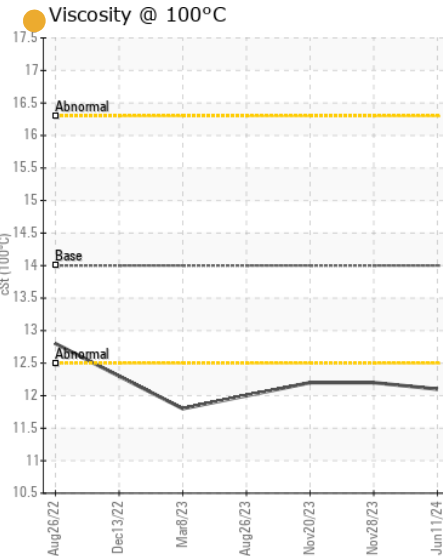
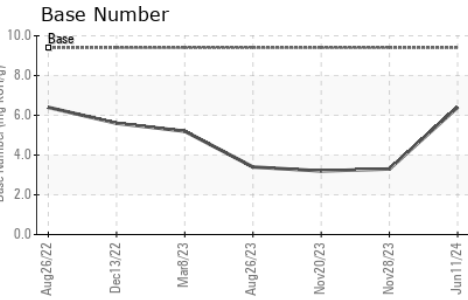
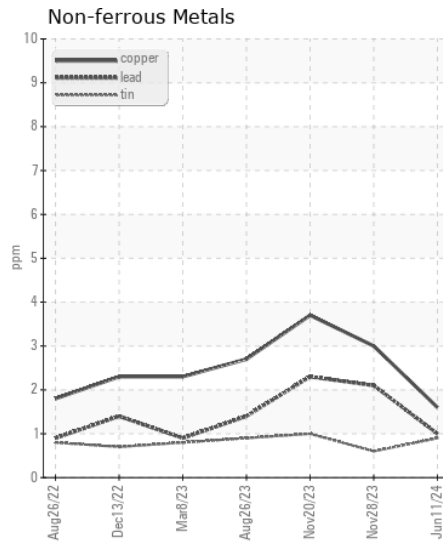
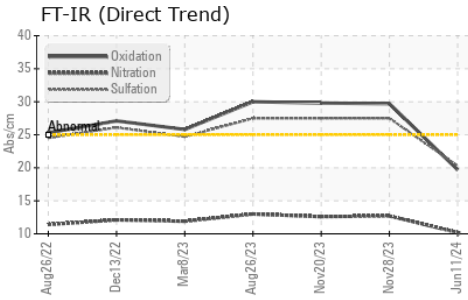
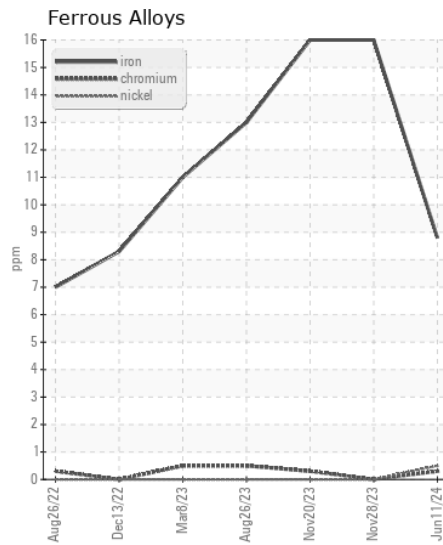
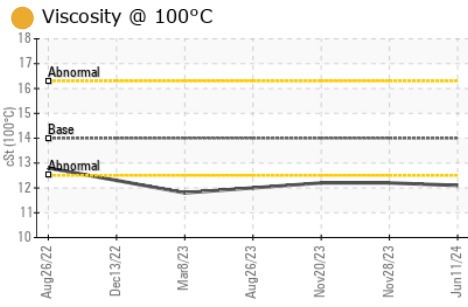
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>7</b>	8	8
Potassium	ppm	ASTM D5185m	>20	<b>16</b>	14	14
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.2</b>	12.7	12.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.3</b>	27.5	27.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## 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.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Boron	ppm	ASTM D5185m	0	<b>69</b>	9	9
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>95</b>	37	39
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>585</b>	562	567
Calcium	ppm	ASTM D5185m		<b>1343</b>	1527	1566
Phosphorus	ppm	ASTM D5185m		<b>719</b>	707	736
Zinc	ppm	ASTM D5185m		<b>853</b>	876	890
Sulfur	ppm	ASTM D5185m		<b>2934</b>	2817	2596
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.7</b>	29.7	29.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.4</b>	▲ 3.3	▲ 3.2
Visc @ 100°C	cSt	ASTM D445	14	● <b>12.1</b>	● 12.2	● 12.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RPL0020547

Lab Number : 06219343

Unique Number : 11097540

Test Package : FLEET

Received : 25 Jun 2024

Tested : 25 Jun 2024

Diagnosed : 26 Jun 2024 - Don Baldrige

RTL PACLEASE - 7007 - Fontana

3121 South Riverside

Bloomington, CA

US 92316

Contact: Rudy Trevizo

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F:

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)