

Machine Id  
**PETERBILT 2915**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LF0001509</b>	LF0000806	---
Sample Date		Client Info		<b>23 May 2024</b>	22 Nov 2023	---
Machine Age	mls	Client Info		<b>6500</b>	233026	---
Oil Age	mls	Client Info		<b>6500</b>	233026	---
Filter Age	mls	Client Info		<b>6500</b>	233026	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	<b>14</b>	13	---
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	2	---
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>85	<b>18</b>	2	---
Tin	ppm	ASTM D5185m	>4	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

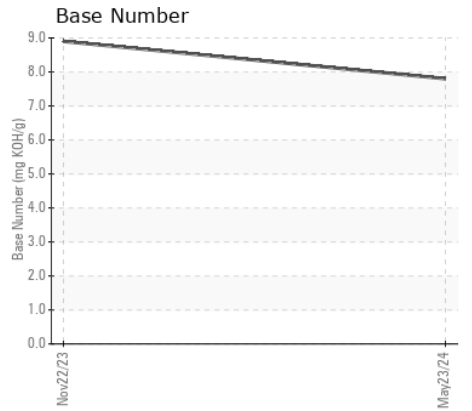
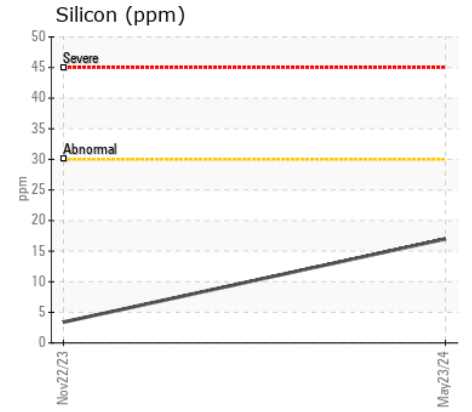
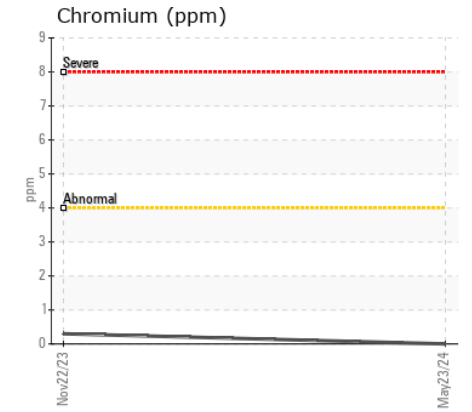
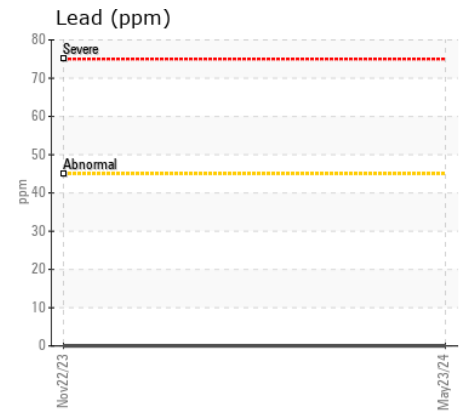
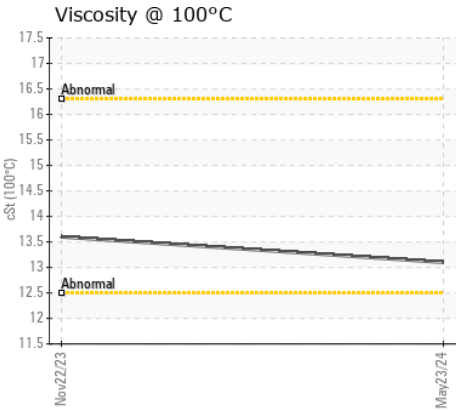
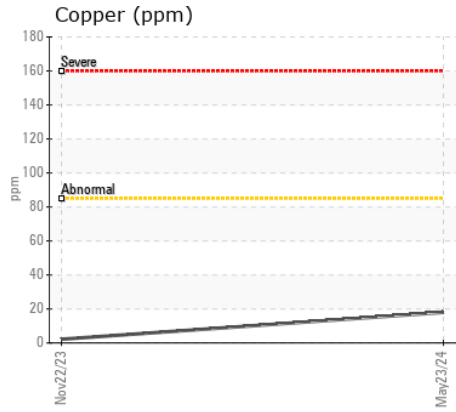
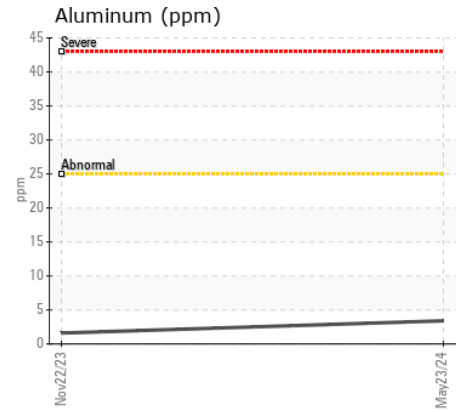
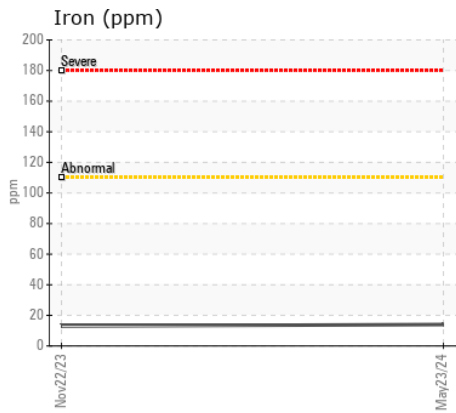
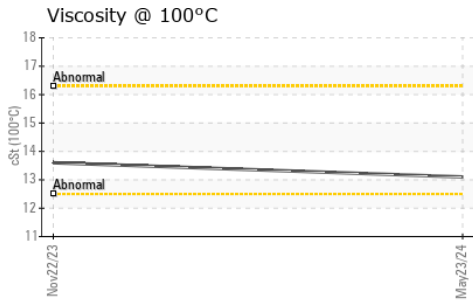
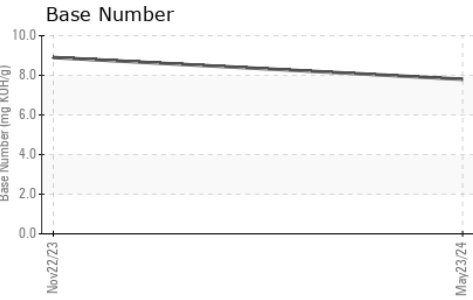
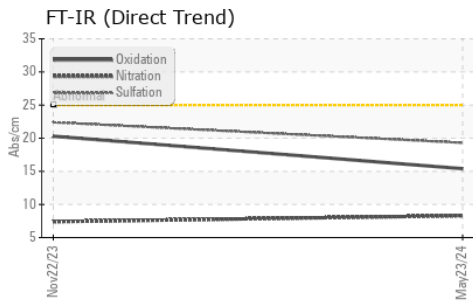
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>17</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	13	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.3</b>	7.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.3</b>	22.4	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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	>118	<b>8</b>	6	---
Boron	ppm	ASTM D5185m		<b>89</b>	54	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>106</b>	35	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>701</b>	460	---
Calcium	ppm	ASTM D5185m		<b>1238</b>	1635	---
Phosphorus	ppm	ASTM D5185m		<b>734</b>	784	---
Zinc	ppm	ASTM D5185m		<b>872</b>	908	---
Sulfur	ppm	ASTM D5185m		<b>3330</b>	2478	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.4</b>	20.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.8</b>	8.9	---
Visc @ 100°C	cSt	ASTM D445		<b>13.1</b>	13.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LF0001509 **Received** : 30 May 2024  
**Lab Number** : 06195233 **Tested** : 31 May 2024  
**Unique Number** : 11057356 **Diagnosed** : 31 May 2024 - Angela Borella  
**Test Package** : MOB 1 ( Additional Tests: TBN )

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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