



OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[W/O 10819]**  
Machine Id  
**VOLVO A25 13415**  
Component  
**Diesel Engine**  
Fluid  
**EXXON 15W40 (13 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>ML0001263</b>	VCP010145	---
Sample Date		Client Info		<b>15 May 2024</b>	28 Jun 2005	---
Machine Age	hrs	Client Info		<b>1213</b>	1213	---
Oil Age	hrs	Client Info		<b>250</b>	100	---
Filter Age	hrs	Client Info		<b>250</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>6</b>	6	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>4</b>	0	---
Lead	ppm	ASTM D5185m	>40	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>20	<b>3</b>	26	---
Tin	ppm	ASTM D5185m	>20	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

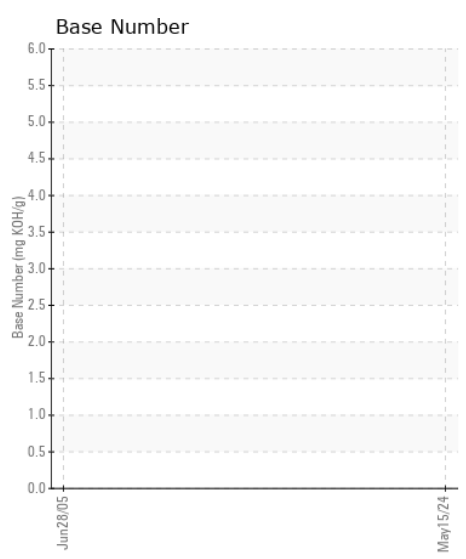
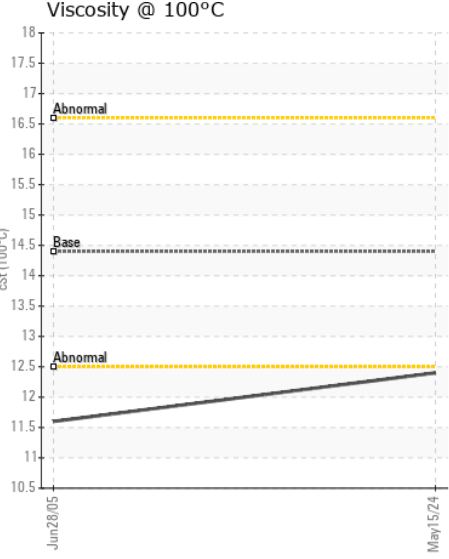
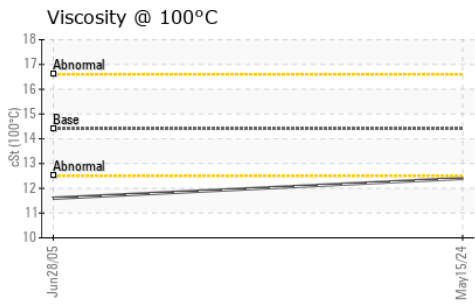
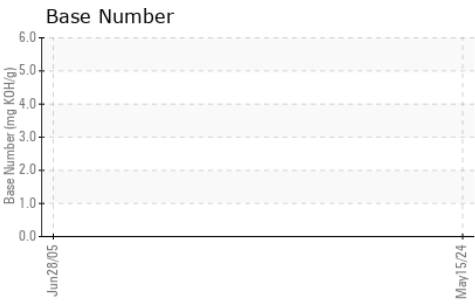
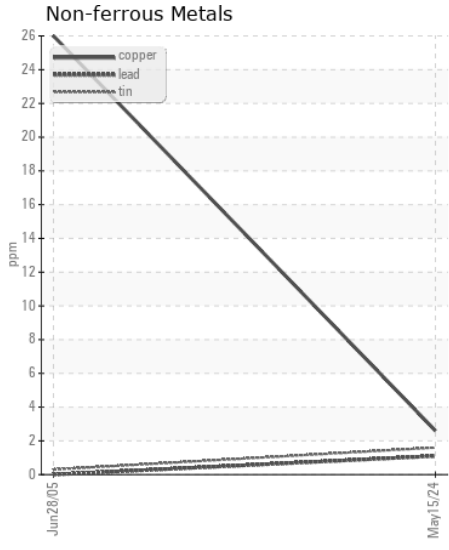
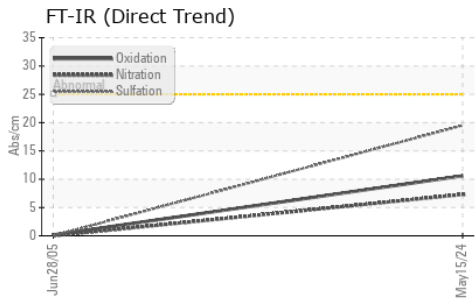
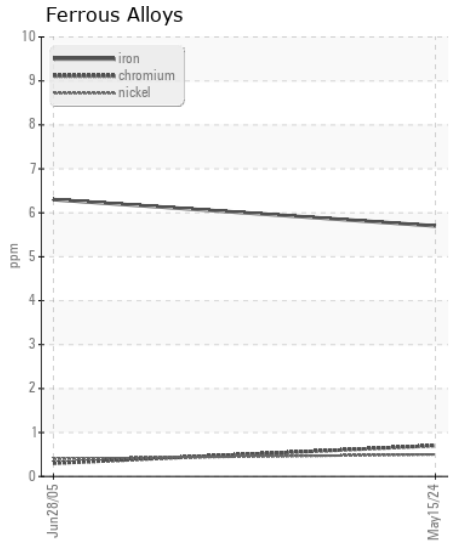
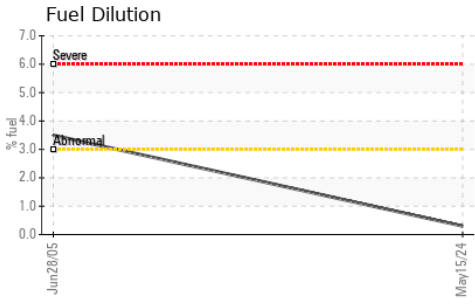
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	---
Fuel	%	ASTM D3524	>3.0	<b>0.3</b>	▲ 3.5	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.3</b>	0.00	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.5</b>	0.00	---
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		<b>6</b>	3	---
Boron	ppm	ASTM D5185m		<b>18</b>	2	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>31</b>	2	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>143</b>	26	---
Calcium	ppm	ASTM D5185m		<b>2786</b>	2472	---
Phosphorus	ppm	ASTM D5185m		<b>995</b>	913	---
Zinc	ppm	ASTM D5185m		<b>1369</b>	1057	---
Sulfur	ppm	ASTM D5185m		<b>4419</b>	4081	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>10.6</b>	0.16	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.8</b>	---	---
Visc @ 100°C	cSt	ASTM D445	14.4	<b>12.4</b>	▲ 11.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0001263 **Received** : 24 May 2024  
**Lab Number** : 06190334 **Tested** : 30 May 2024  
**Unique Number** : 11047086 **Diagnosed** : 30 May 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PercentFuel, TBN )

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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)