



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area  
**[529295 STANDARD STEE]**  
 Machine Id  
**VOLVO L250H 1232**  
 Component  
**Diesel Engine**  
 Fluid  
**VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- 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		VCP443717	VCP356412	---
Sample Date		Client Info		15 Apr 2024	06 Apr 2022	---
Machine Age	hrs	Client Info		11667	8648	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	13	6	---
Chromium	ppm	ASTM D5185m	>10	2	<1	---
Nickel	ppm	ASTM D5185m	>10	3	3	---
Titanium	ppm	ASTM D5185m		<1	8	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>10	3	2	---
Lead	ppm	ASTM D5185m	>20	5	1	---
Copper	ppm	ASTM D5185m	>15	4	12	---
Tin	ppm	ASTM D5185m	>10	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

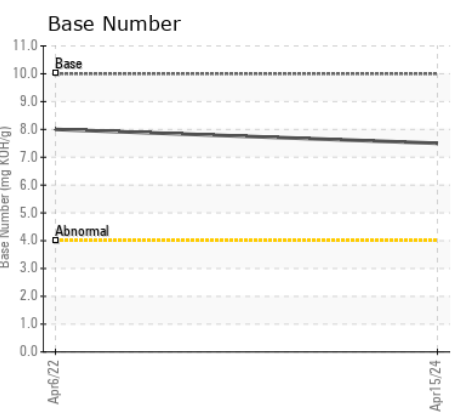
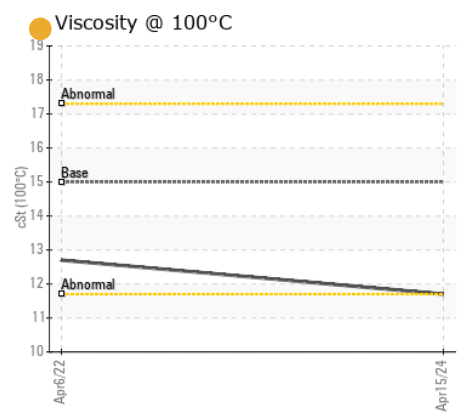
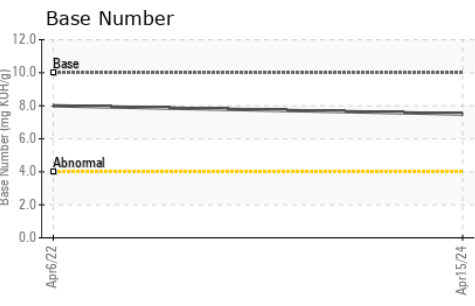
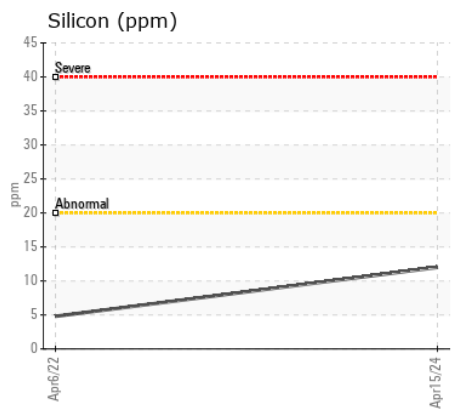
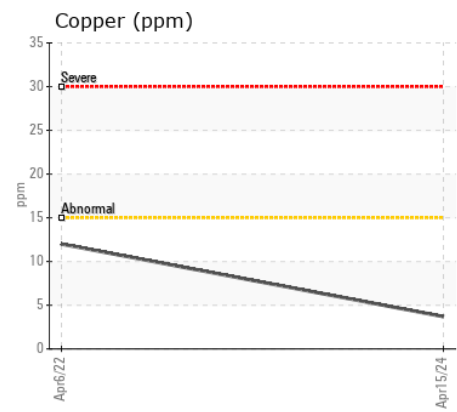
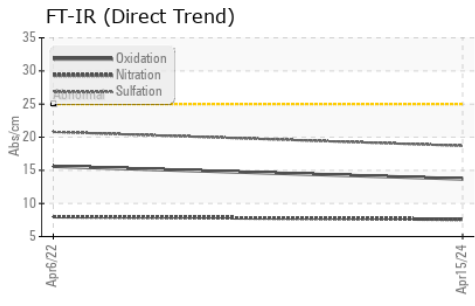
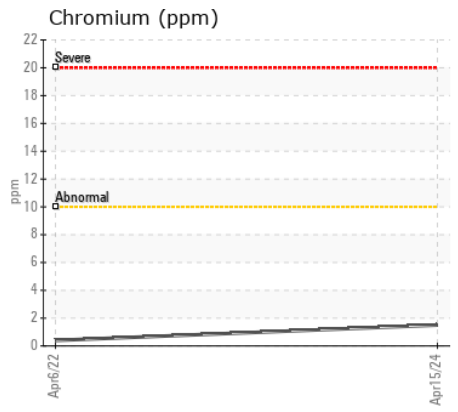
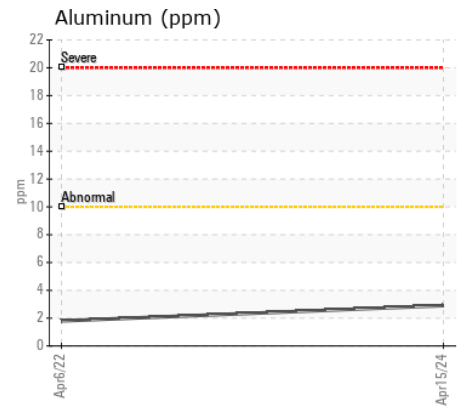
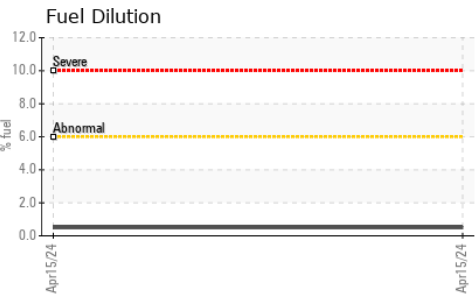
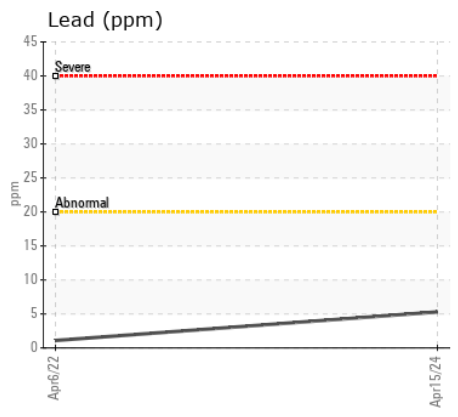
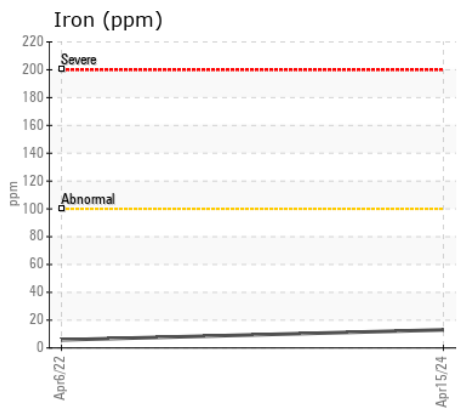
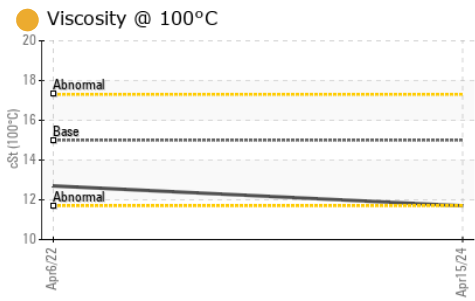
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	12	5	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Fuel	%	ASTM D3524	>6.0	0.5	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	7.6	8.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	20.8	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	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		2	2	---
Boron	ppm	ASTM D5185m	2.5	4	18	---
Barium	ppm	ASTM D5185m	0.0	0	0	---
Molybdenum	ppm	ASTM D5185m	0.7	78	55	---
Manganese	ppm	ASTM D5185m	0.0	2	<1	---
Magnesium	ppm	ASTM D5185m	256	1180	974	---
Calcium	ppm	ASTM D5185m	2057	1425	1284	---
Phosphorus	ppm	ASTM D5185m	935	1498	1112	---
Zinc	ppm	ASTM D5185m	1223	1657	1425	---
Sulfur	ppm	ASTM D5185m	4079	5157	3270	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	15.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	7.5	8.0	---
Visc @ 100°C	cSt	ASTM D445	15.0	11.7	12.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP443717 **Received** : 18 Apr 2024  
**Lab Number** : 06152859 **Tested** : 25 Apr 2024  
**Unique Number** : 10982937 **Diagnosed** : 25 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: FUELDILUTION, 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)