



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[SWO-071810]

Machine Id

VOLVO L150G 23140

Component

Diesel Engine

Fluid

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453734	VCE171963	---
Sample Date		Client Info		07 May 2024	09 Aug 2013	---
Machine Age	hrs	Client Info		6814	1132	---
Oil Age	hrs	Client Info		0	401	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	4	10	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m	>10	0	2	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>10	1	2	---
Lead	ppm	ASTM D5185m	>20	<1	1	---
Copper	ppm	ASTM D5185m	>15	0	▲ 468	---
Tin	ppm	ASTM D5185m	>10	0	3	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

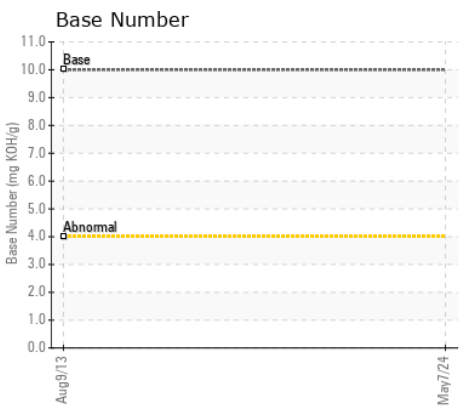
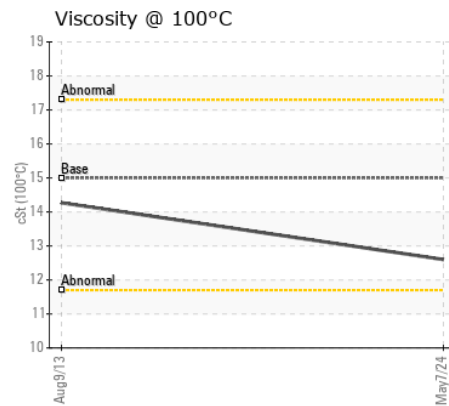
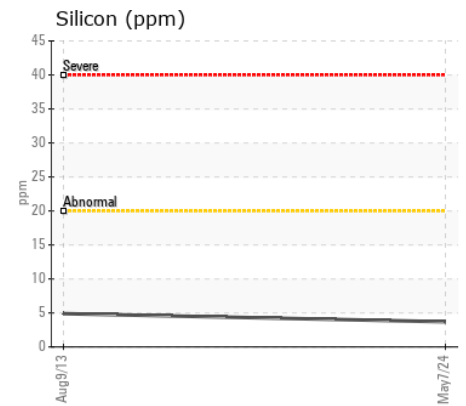
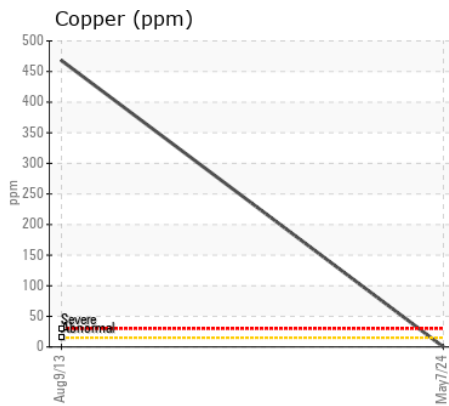
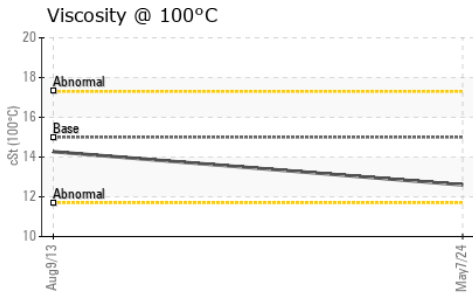
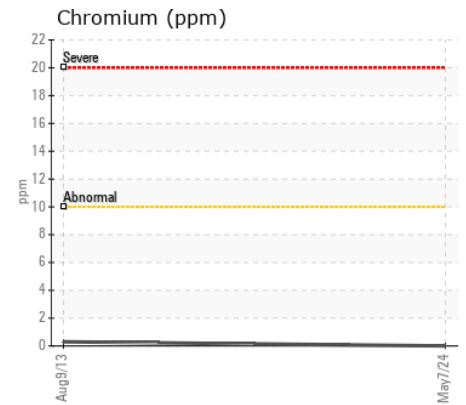
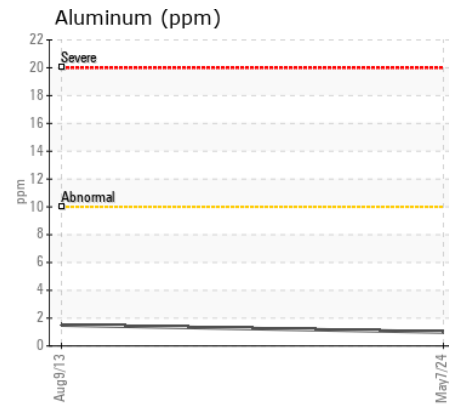
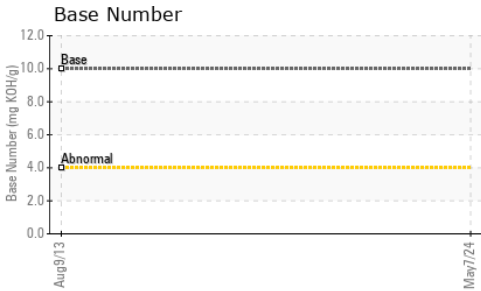
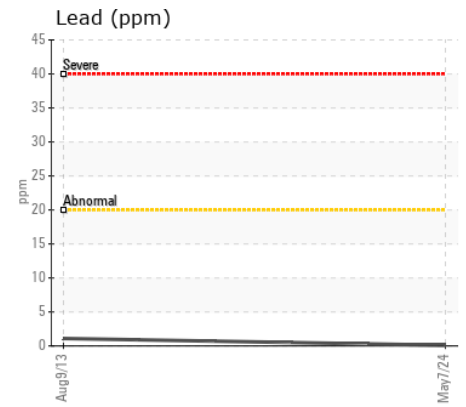
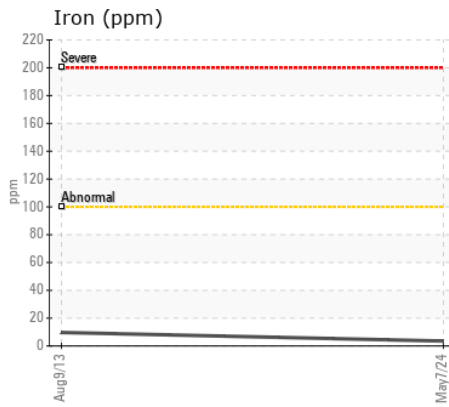
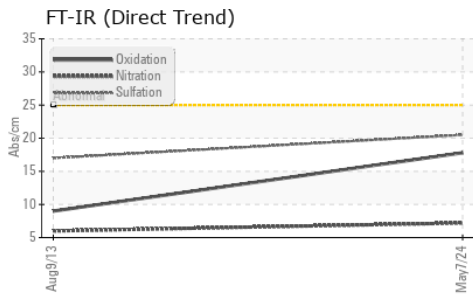
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	4	5	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---
Fuel		WC Method	>6.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	7.2	6.	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	17.	---
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 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		2	3	---
Boron	ppm	ASTM D5185m	2.5	78	3	---
Barium	ppm	ASTM D5185m	0.0	0	0	---
Molybdenum	ppm	ASTM D5185m	0.7	58	49	---
Manganese	ppm	ASTM D5185m	0.0	<1	0	---
Magnesium	ppm	ASTM D5185m	256	430	1184	---
Calcium	ppm	ASTM D5185m	2057	1957	816	---
Phosphorus	ppm	ASTM D5185m	935	1023	1106	---
Zinc	ppm	ASTM D5185m	1223	1206	1232	---
Sulfur	ppm	ASTM D5185m	4079	3737	2583	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	9.	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	8.5	---	---
Visc @ 100°C	cSt	ASTM D445	15.0	12.6	14.27	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP453734 **Received** : 10 May 2024
Lab Number : 06175074 **Tested** : 10 May 2024
Unique Number : 11021127 **Diagnosed** : 10 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: 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)