



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L150H 7315
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		VCP451052	VCP441987	---
Sample Date		Client Info		10 Jul 2024	22 May 2024	---
Machine Age	hrs	Client Info		470	254	---
Oil Age	hrs	Client Info		216	246	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	3	8	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
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	0	2	---
Copper	ppm	ASTM D5185m	>15	6	39	---
Tin	ppm	ASTM D5185m	>10	0	1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

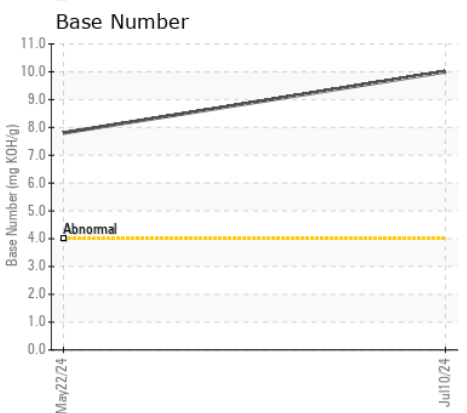
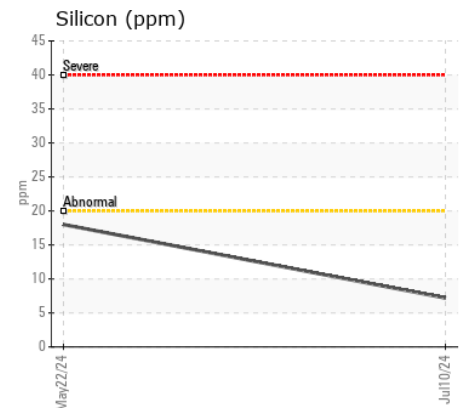
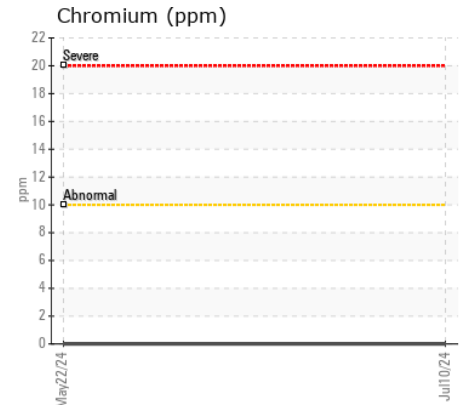
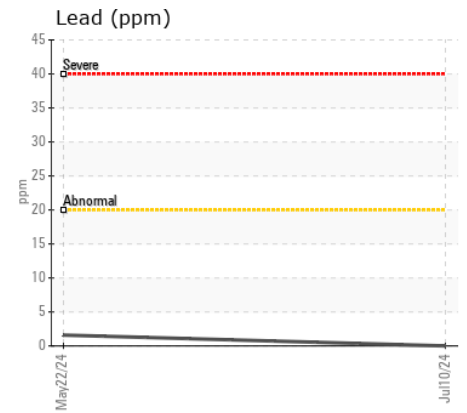
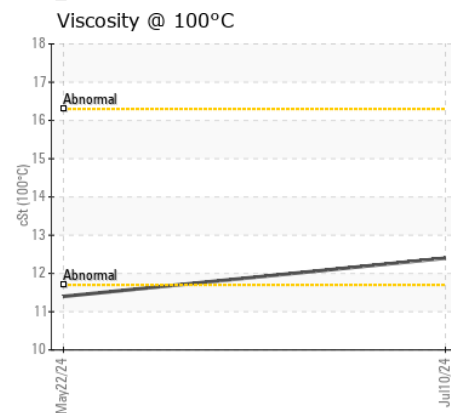
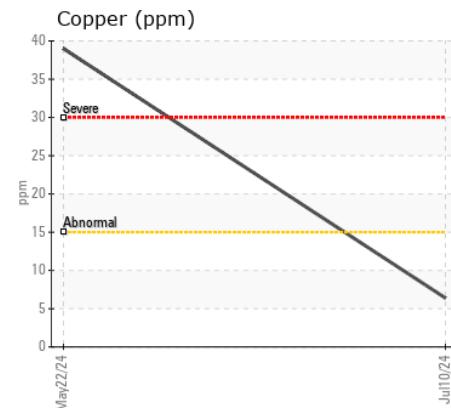
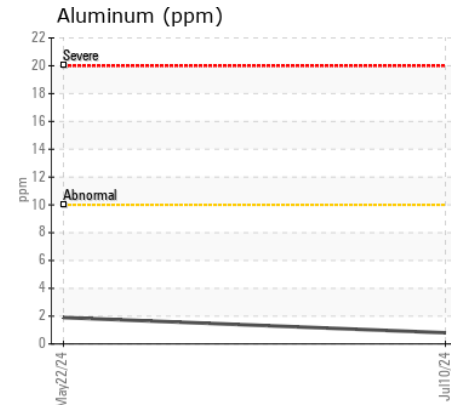
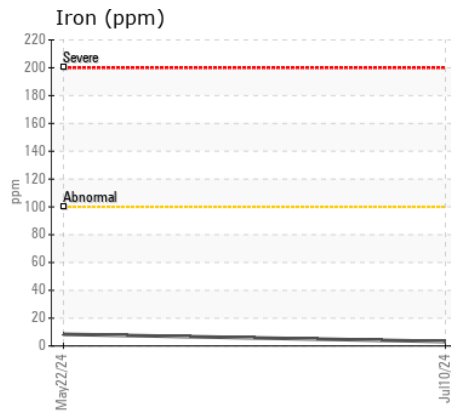
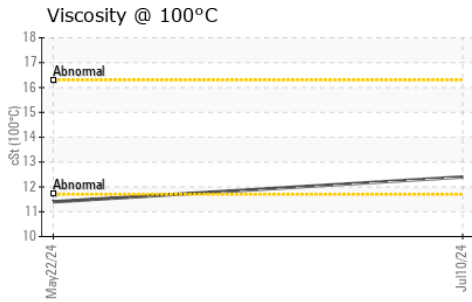
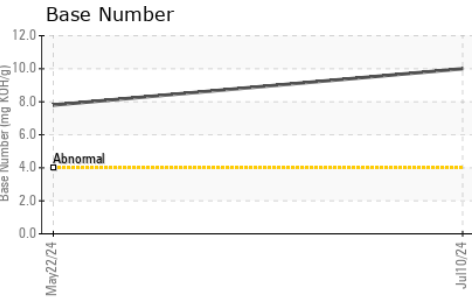
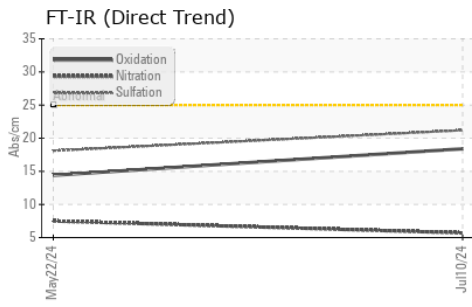
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	7	18	---
Potassium	ppm	ASTM D5185m	>20	<1	3	---
Fuel		WC Method	>6.0	<1.0	0.3	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	5.7	7.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	18.1	---
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	>118	3	3	---
Boron	ppm	ASTM D5185m		65	77	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		42	78	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		437	117	---
Calcium	ppm	ASTM D5185m		1754	2313	---
Phosphorus	ppm	ASTM D5185m		829	1068	---
Zinc	ppm	ASTM D5185m		938	1250	---
Sulfur	ppm	ASTM D5185m		3171	4820	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	14.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		10.0	7.8	---
Visc @ 100°C	cSt	ASTM D445		12.4	11.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP451052 **Received** : 16 Jul 2024
Lab Number : 06237518 **Tested** : 17 Jul 2024
Unique Number : 11126352 **Diagnosed** : 17 Jul 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)