



VOLVO

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

SEVERE

NORMAL



Area

[621739]

Machine Id

VOLVO EC750 310137

Component

Rear Right Final Drive

Fluid

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP434783	VCP349224	VCP259848
Sample Date		Client Info		30 Nov 2023	01 Mar 2022	25 Sep 2019
Machine Age	hrs	Client Info		6059	4065	528
Oil Age	hrs	Client Info		1000	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Not Changed
Sample Status				SEVERE	SEVERE	NORMAL

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 1301	▲ 635	100
Chromium	ppm	ASTM D5185m	>10	9	7	2
Nickel	ppm	ASTM D5185m	>10	2	0	<1
Titanium	ppm	ASTM D5185m		7	4	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	● 128	● 96	<1
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	2	1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

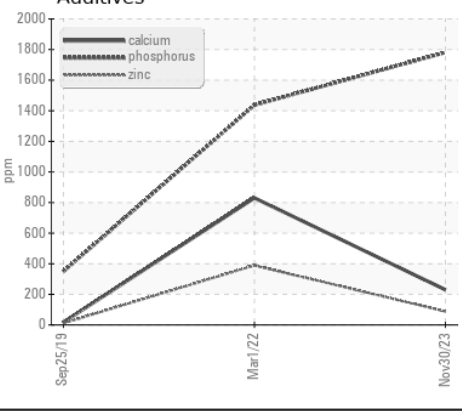
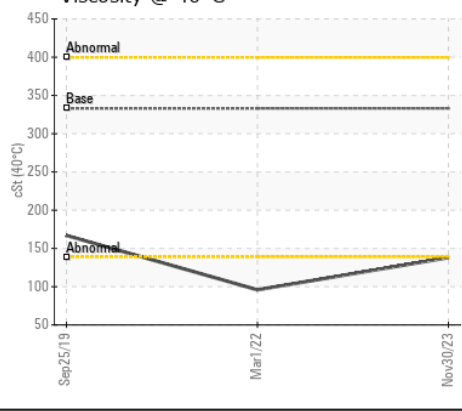
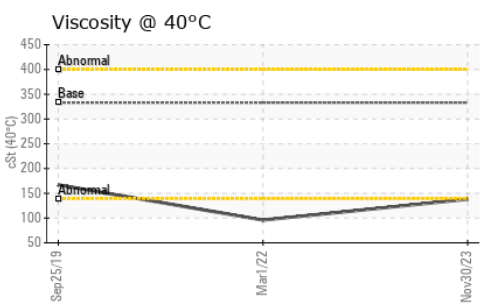
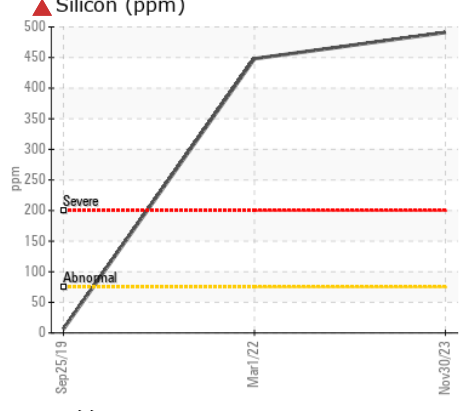
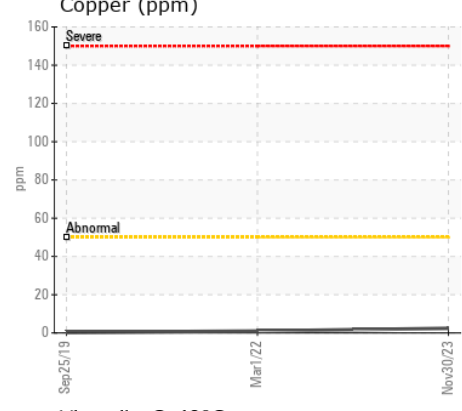
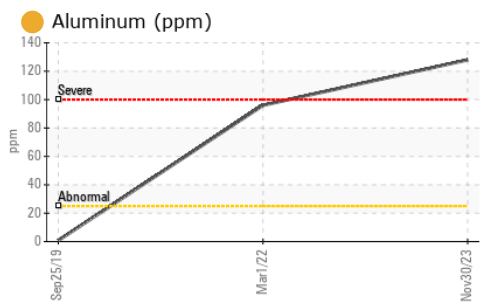
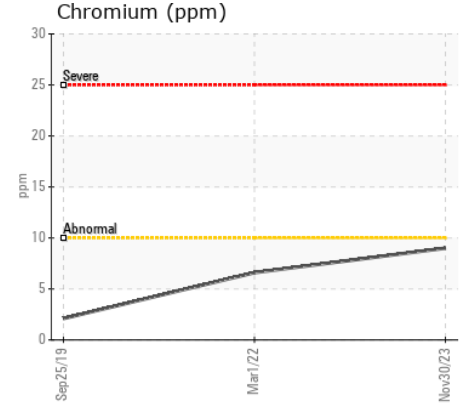
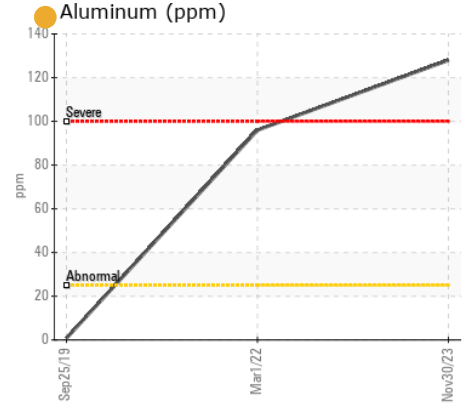
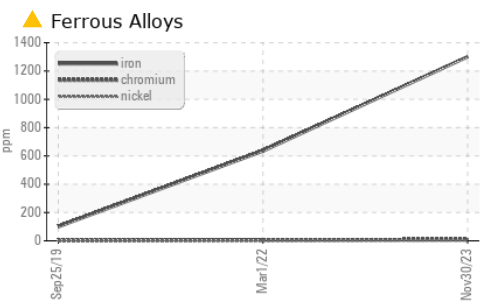
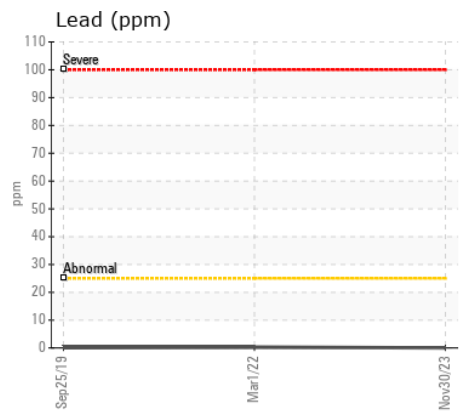
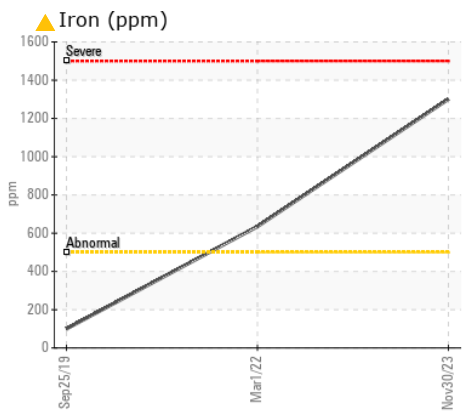
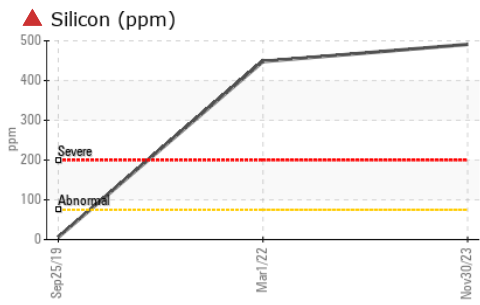
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 491	▲ 448	6
Potassium	ppm	ASTM D5185m	>20	47	29	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		12	8	0
Boron	ppm	ASTM D5185m	111	91	103	0
Barium	ppm	ASTM D5185m	0.0	0	0	13
Molybdenum	ppm	ASTM D5185m	0.9	2	18	0
Manganese	ppm	ASTM D5185m	0.0	12	8	2
Magnesium	ppm	ASTM D5185m	39	90	228	0
Calcium	ppm	ASTM D5185m	93	230	830	18
Phosphorus	ppm	ASTM D5185m	920	1781	1437	350
Zinc	ppm	ASTM D5185m	104	88	389	11
Sulfur	ppm	ASTM D5185m	20179	18052	11112	11417
Visc @ 40°C	cSt	ASTM D445	333	138	95.9	167



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP434783
Lab Number : 06029770
Unique Number : 10779561
Test Package : MOB 1

Received : 08 Dec 2023
Tested : 11 Dec 2023
Diagnosed : 12 Dec 2023 - Don Baldrige

BLAZE CONSTRUCTION
 5640 ST JEAN ST
 DETROIT, MI
 US 48213
 Contact: DAVE WARD
 dward@blazecontracting.net
 T: (248)632-2317
 F:

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)