



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Area
HAMMEL GENERAL CONTRACTING [439707]
Machine Id
VOLVO A30E 72116
Component
Diesel Engine
Fluid
SAE 10W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCE177134	VC537793	---
Sample Date		Client Info		27 Oct 2023	14 May 2010	---
Machine Age	hrs	Client Info		10046	3040	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	11	6	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>2	<1	0	---
Aluminum	ppm	ASTM D5185(m)	>30	2	1	---
Lead	ppm	ASTM D5185(m)	>40	<1	<1	---
Copper	ppm	ASTM D5185(m)	>20	4	1	---
Tin	ppm	ASTM D5185(m)	>20	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

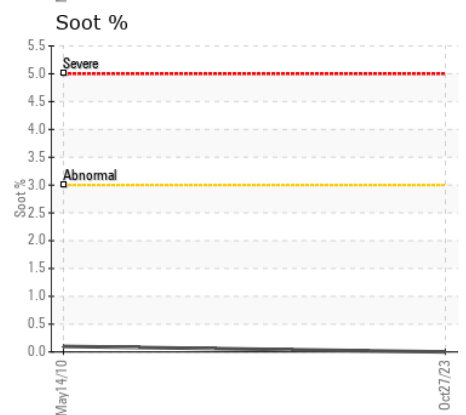
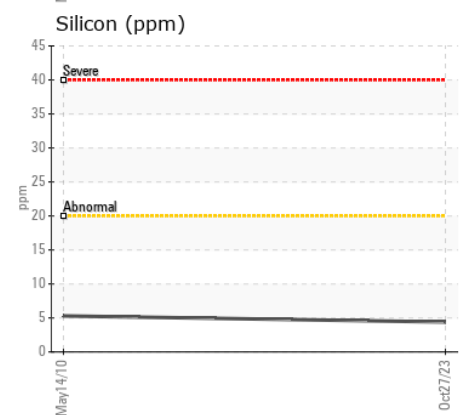
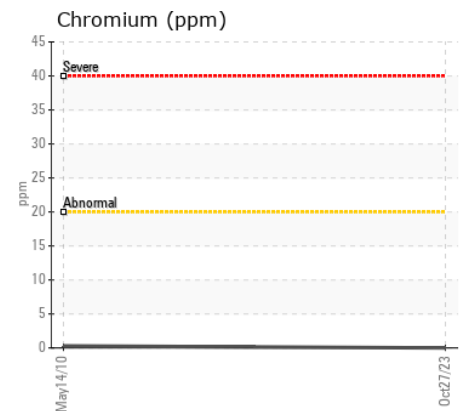
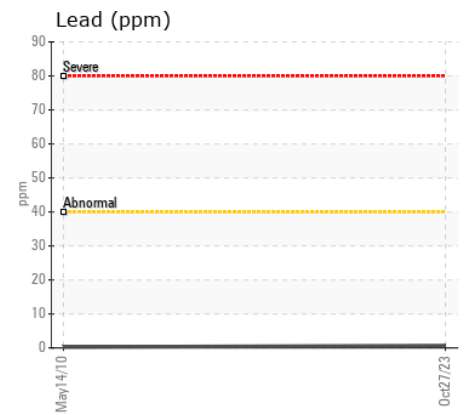
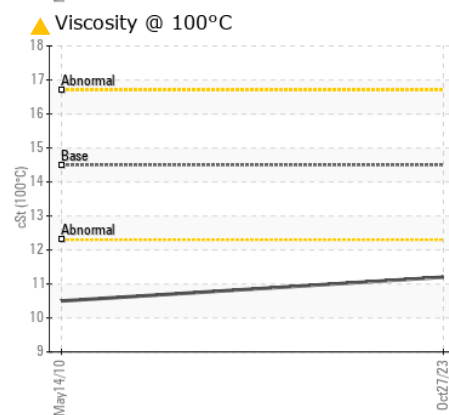
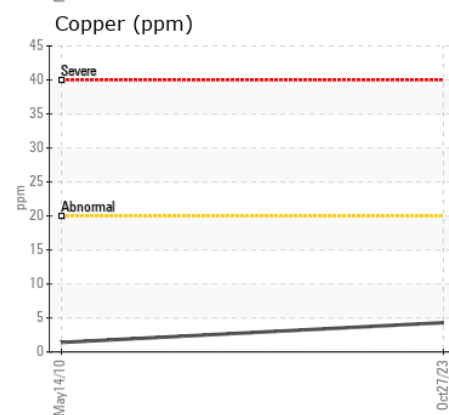
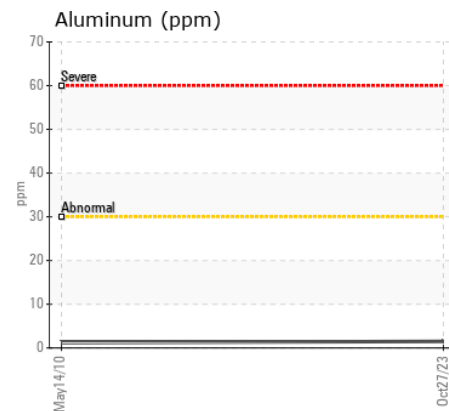
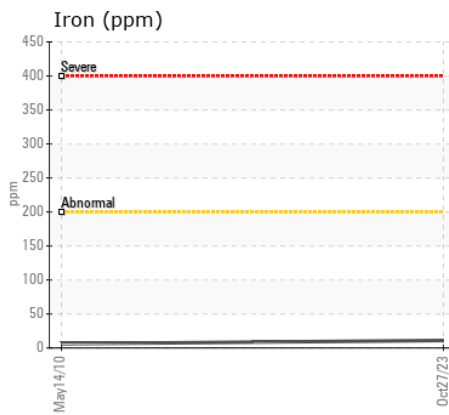
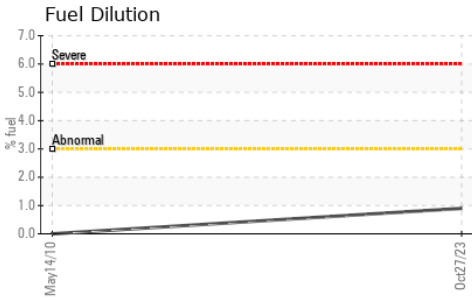
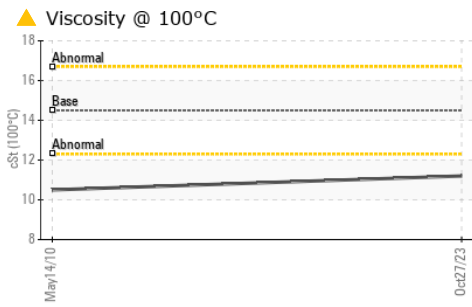
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	4	5	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Fuel	%	ASTM D7593*	>3.0	0.9	0.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	5.3	5.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.5	17.0	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>401	8	2	---
Boron	ppm	ASTM D5185(m)		1	2	---
Barium	ppm	ASTM D5185(m)		<1	<1	---
Molybdenum	ppm	ASTM D5185(m)		58	1	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		907	8	---
Calcium	ppm	ASTM D5185(m)		1011	2510	---
Phosphorus	ppm	ASTM D5185(m)		970	1000	---
Zinc	ppm	ASTM D5185(m)		1146	1176	---
Sulfur	ppm	ASTM D5185(m)		2559	3195	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.4	10.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	▲ 11.2	▲ 10.5	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VGE177134 **Received** : 07 Nov 2023
Lab Number : 02594544 **Tested** : 08 Nov 2023
Unique Number : 5671623 **Diagnosed** : 08 Nov 2023 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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