



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[25376]

Machine Id

VOLVO A30G 742165

Component

Front Axle

Fluid

VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP455177	VCP371881	---
Sample Date		Client Info		12 Apr 2024	24 Aug 2022	---
Machine Age	hrs	Client Info		5307	4260	---
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	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	279	714	---
Chromium	ppm	ASTM D5185m	>20	5	14	---
Nickel	ppm	ASTM D5185m	>10	4	7	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>30	1	2	---
Lead	ppm	ASTM D5185m	>50	1	<1	---
Copper	ppm	ASTM D5185m	>150	16	42	---
Tin	ppm	ASTM D5185m	>20	2	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

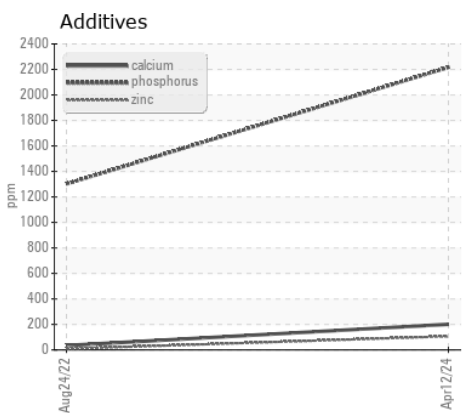
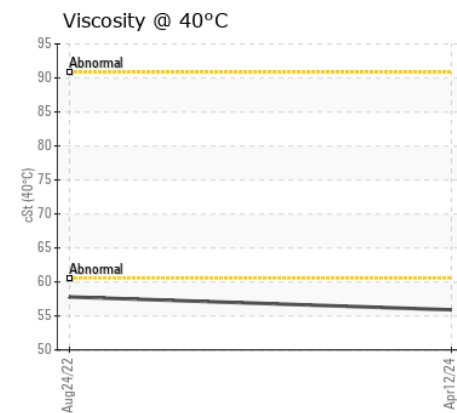
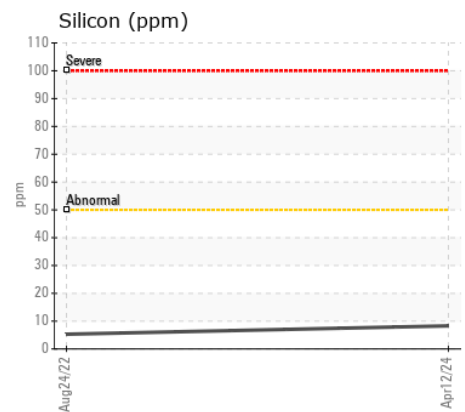
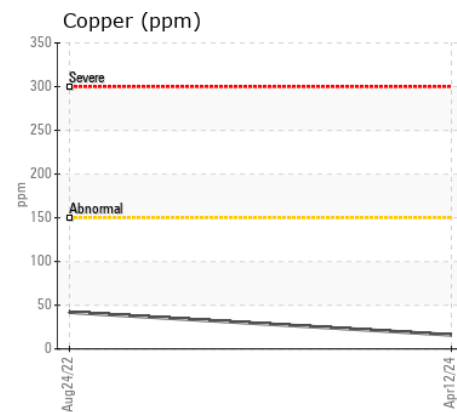
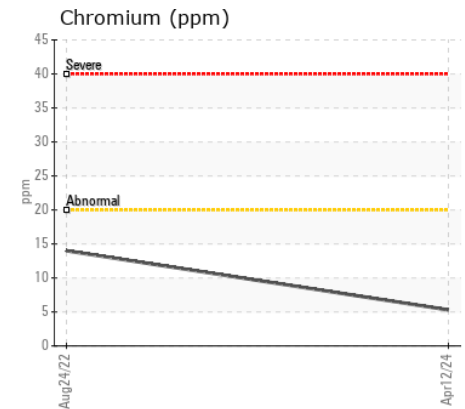
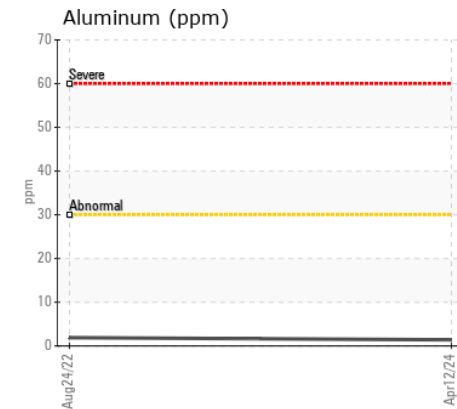
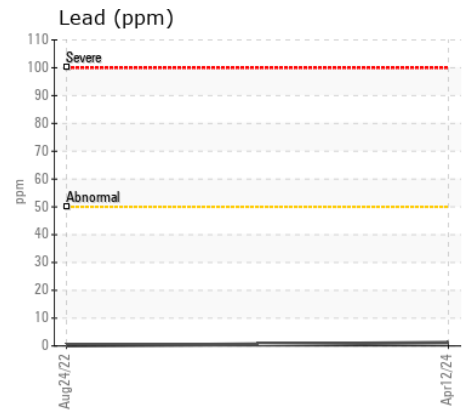
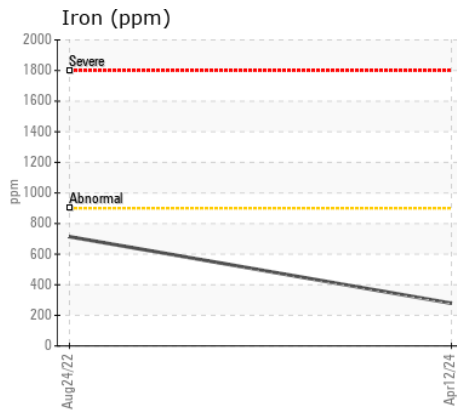
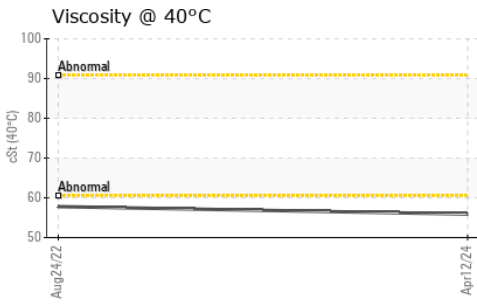
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	8	5	---
Potassium	ppm	ASTM D5185m	>20	1	1	---
Water		WC Method	>0.2	NEG	NEG	---
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	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		1	3	---
Boron	ppm	ASTM D5185m		228	157	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		4	6	---
Manganese	ppm	ASTM D5185m		6	20	---
Magnesium	ppm	ASTM D5185m		16	<1	---
Calcium	ppm	ASTM D5185m		201	35	---
Phosphorus	ppm	ASTM D5185m		2216	1302	---
Zinc	ppm	ASTM D5185m		107	8	---
Sulfur	ppm	ASTM D5185m		29762	23320	---
Visc @ 40°C	cSt	ASTM D445		55.9	57.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP455177
Lab Number : 06152342
Unique Number : 10982420
Test Package : MOB 1

Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

SANDERS BROTHERS CONSTRUCTION
 1990 HARLEY STREET
 NORTH CHARLESTON, SC
 US 29411

Contact: MARC WATSON
 marc.watson@sandersbrothers.com

T: (843)744-4261
 F: (843)747-3909

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)