



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[25376]

Machine Id

VOLVO A30G 742165

Component

Rear Axle

Fluid

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

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP455247	VCP371879	---
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				ABNORMAL	NORMAL	---

WEAR

High concentration of visible yellow metal present. All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	427	618	---
Chromium	ppm	ASTM D5185m	>20	6	12	---
Nickel	ppm	ASTM D5185m	>10	5	6	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	2	---
Aluminum	ppm	ASTM D5185m	>30	1	2	---
Lead	ppm	ASTM D5185m	>50	1	0	---
Copper	ppm	ASTM D5185m	>150	83	77	---
Tin	ppm	ASTM D5185m	>20	2	1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	▲ HEAVY	NONE	---

CONTAMINATION

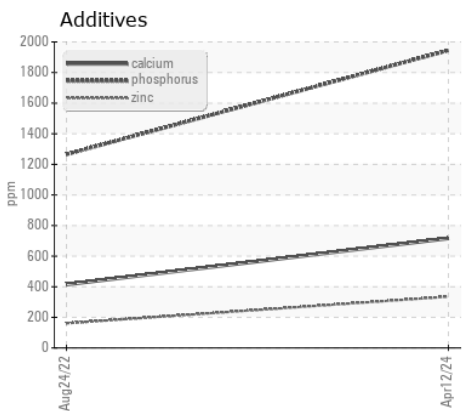
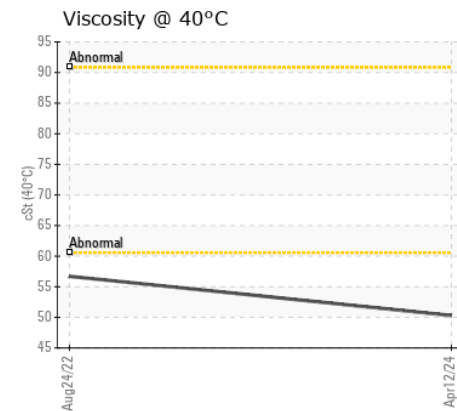
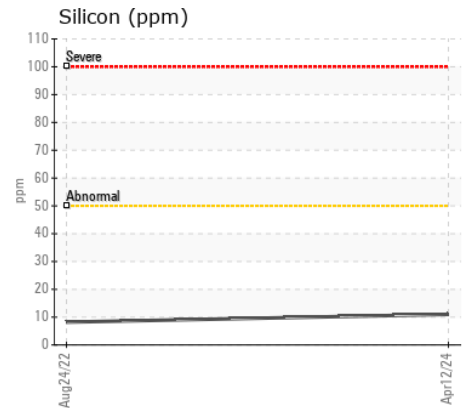
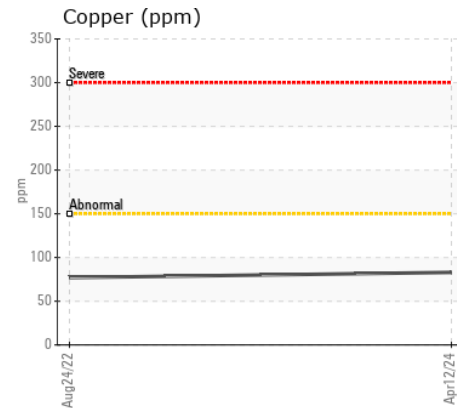
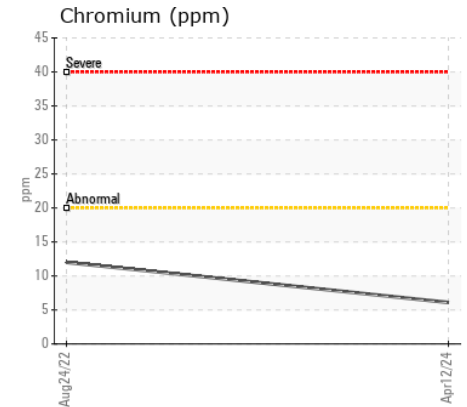
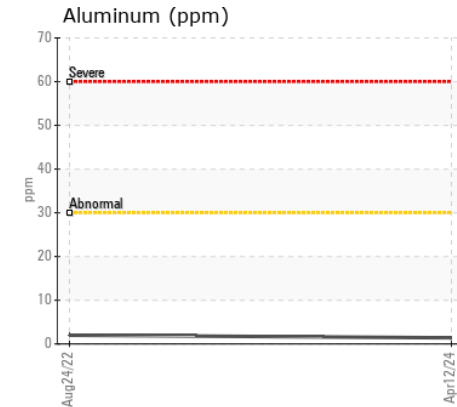
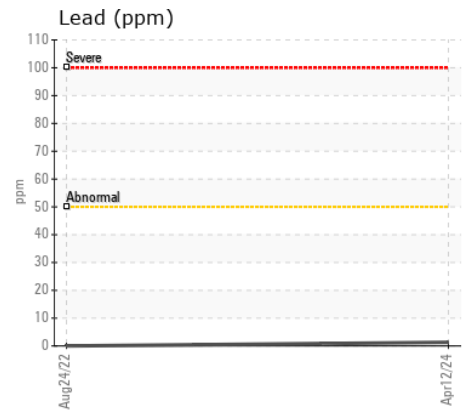
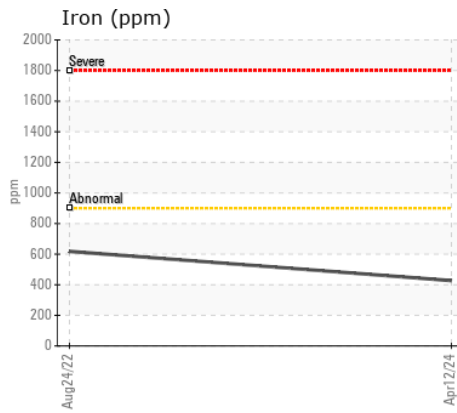
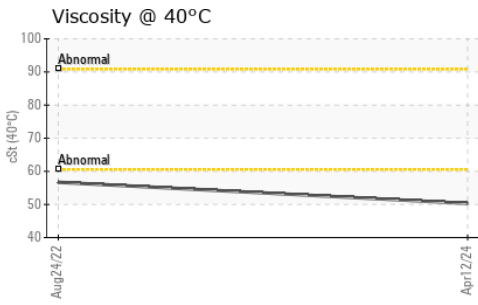
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	11	8	---
Potassium	ppm	ASTM D5185m	>20	2	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		2	4	---
Boron	ppm	ASTM D5185m		201	155	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		4	6	---
Manganese	ppm	ASTM D5185m		8	19	---
Magnesium	ppm	ASTM D5185m		15	2	---
Calcium	ppm	ASTM D5185m		716	414	---
Phosphorus	ppm	ASTM D5185m		1945	1265	---
Zinc	ppm	ASTM D5185m		335	161	---
Sulfur	ppm	ASTM D5185m		24576	19702	---
Visc @ 40°C	cSt	ASTM D445		50.3	56.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP455247
Lab Number : 06152340
Unique Number : 10982418
Test Package : MOB 1

Received : 17 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 22 Apr 2024 - Don Baldrige

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)