



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[687484]

Machine Id

VOLVO A30G 752866

Component

Rear Axle

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP445389	VCP422140	VCP402760
Sample Date		Client Info		15 Mar 2024	05 Jul 2023	13 Feb 2023
Machine Age	hrs	Client Info		2208	1096	526
Oil Age	hrs	Client Info		1500	500	526
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	195	104	318
Chromium	ppm	ASTM D5185m	>20	3	2	6
Nickel	ppm	ASTM D5185m	>10	2	<1	3
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	1	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	14	6	13
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

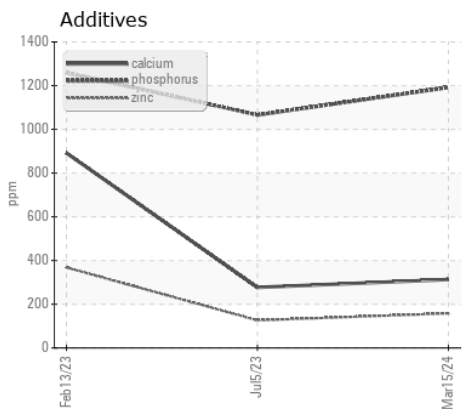
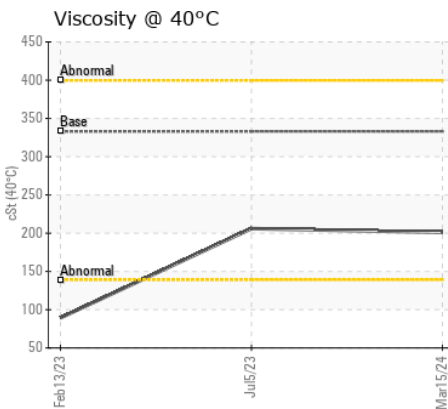
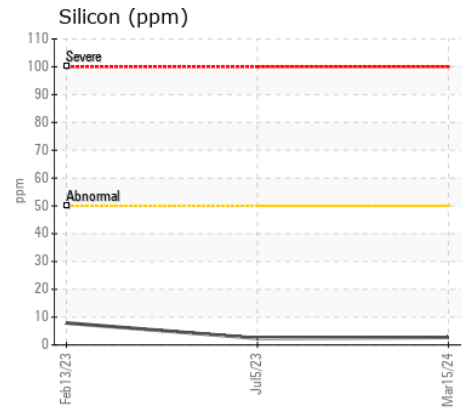
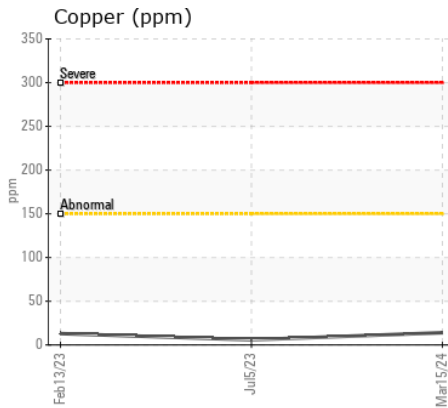
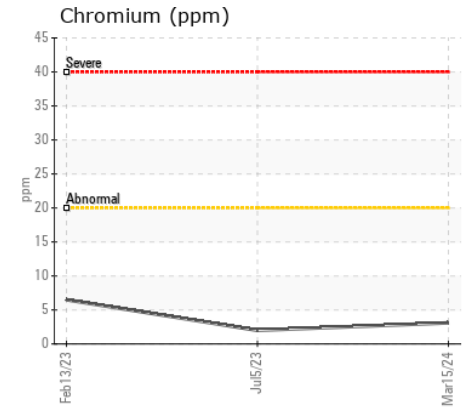
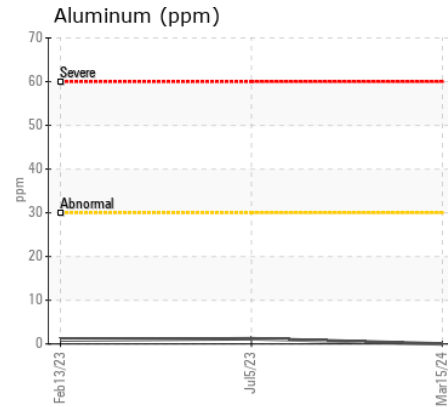
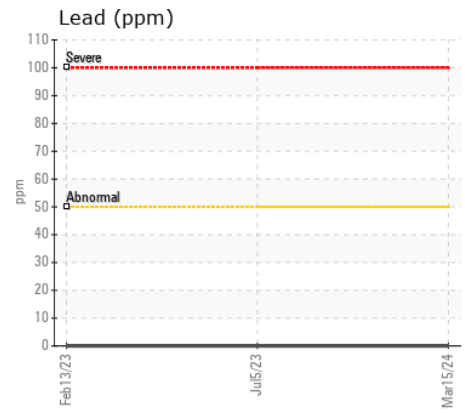
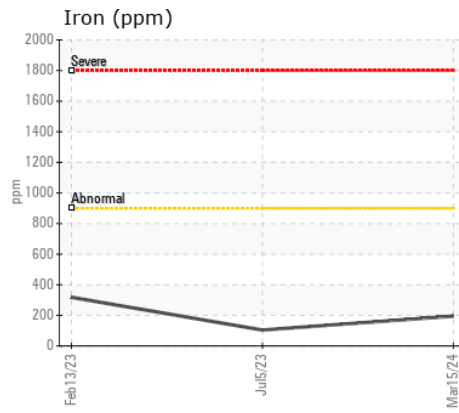
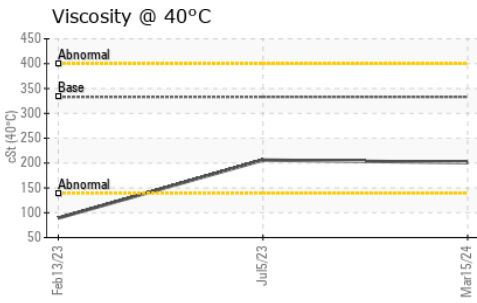
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	2	8
Potassium	ppm	ASTM D5185m	>20	0	2	5
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<1	<1	2
Boron	ppm	ASTM D5185m	111	162	174	255
Barium	ppm	ASTM D5185m	0.0	1	0	3
Molybdenum	ppm	ASTM D5185m	0.9	4	4	8
Manganese	ppm	ASTM D5185m	0.0	4	3	10
Magnesium	ppm	ASTM D5185m	39	17	16	2
Calcium	ppm	ASTM D5185m	93	313	277	892
Phosphorus	ppm	ASTM D5185m	920	1192	1066	1259
Zinc	ppm	ASTM D5185m	104	158	126	368
Sulfur	ppm	ASTM D5185m	20179	33248	31361	22028
Visc @ 40°C	cSt	ASTM D445	333	201	206	89.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP445389
Lab Number : 06146231
Unique Number : 10976309
Test Package : MOB 1

Received : 11 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 15 Apr 2024 - Don Baldrige

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619

Contact: ROBERT TURNER
 rturner@ripatampa.com

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)

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F: