



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[634367]
Machine Id
VOLVO A40G 352842
Component
Bogie/Center 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		VCP431828	VCP424818	VCP386344
Sample Date		Client Info		27 Nov 2023	11 May 2023	13 Oct 2022
Machine Age	hrs	Client Info		4010	3070	1984
Oil Age	hrs	Client Info		3010	2000	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	12	257	216
Chromium	ppm	ASTM D5185m	>20	<1	4	3
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	<1	2	2
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

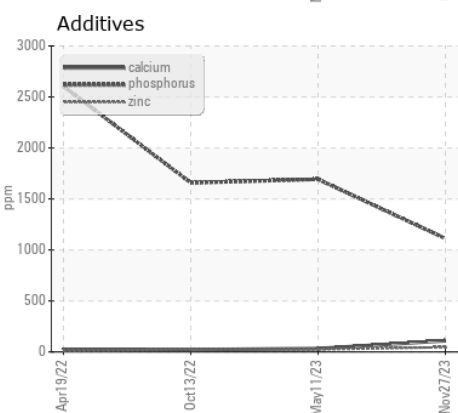
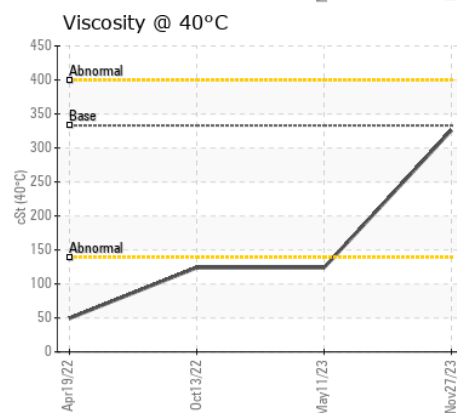
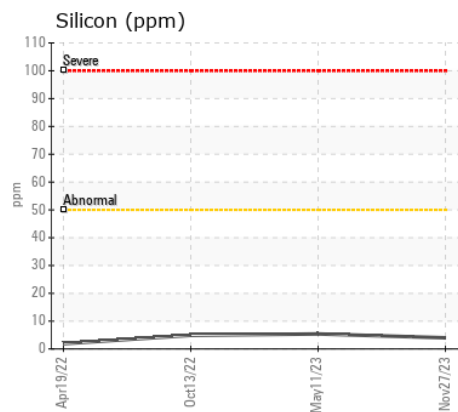
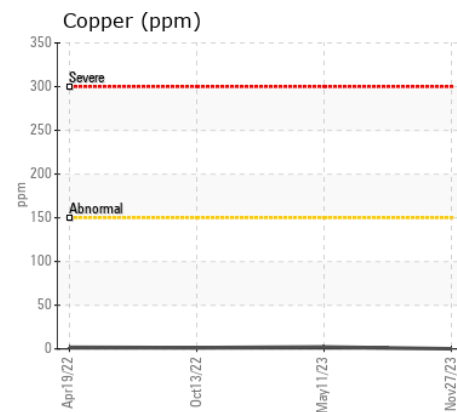
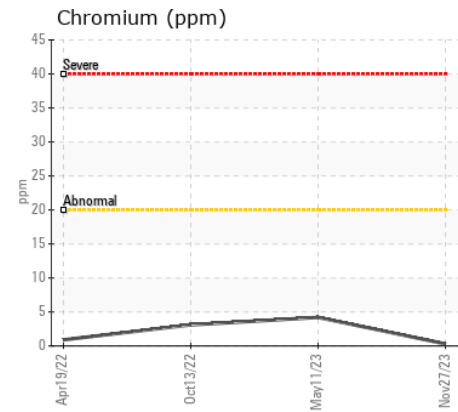
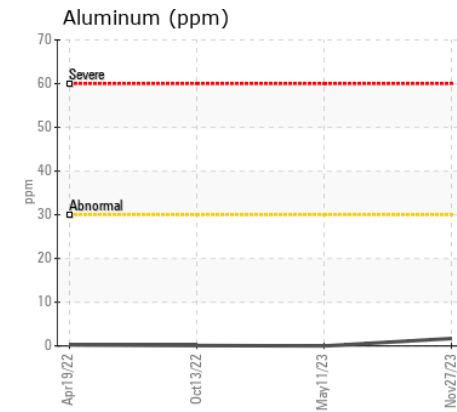
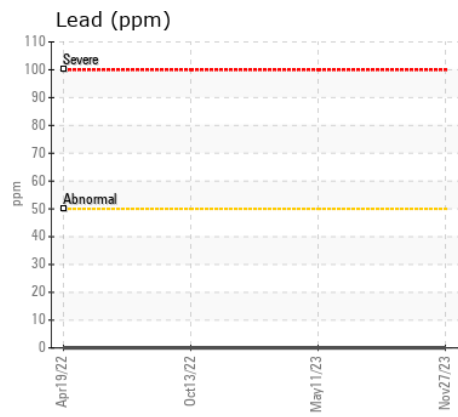
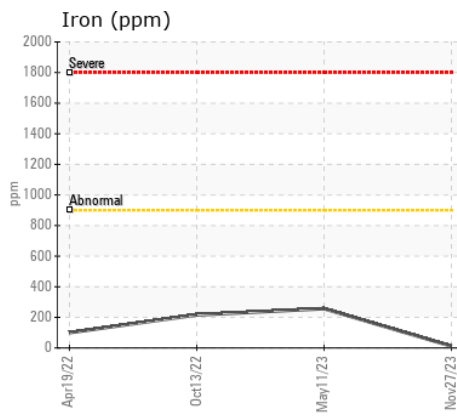
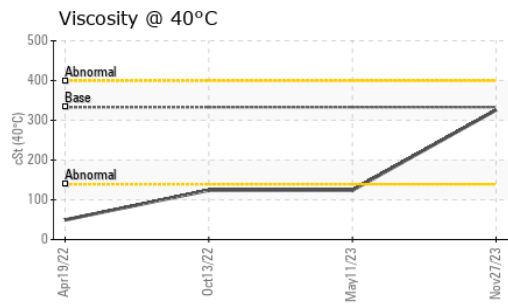
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	5	5
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m	111	198	220	223
Barium	ppm	ASTM D5185m	0.0	3	0	1
Molybdenum	ppm	ASTM D5185m	0.9	6	4	3
Manganese	ppm	ASTM D5185m	0.0	0	9	7
Magnesium	ppm	ASTM D5185m	39	32	4	6
Calcium	ppm	ASTM D5185m	93	110	33	23
Phosphorus	ppm	ASTM D5185m	920	1112	1693	1658
Zinc	ppm	ASTM D5185m	104	46	24	26
Sulfur	ppm	ASTM D5185m	20179	28365	34297	33126
Visc @ 40°C	cSt	ASTM D445	333	326	124	124



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP431828 **Received** : 17 Jan 2024
Lab Number : 06063128 **Diagnosed** : 18 Jan 2024
Unique Number : 10834510 **Diagnostician** : Wes Davis
Test Package : MOB 1

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

Certificate L2367
 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)