



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A30G 752302
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		VCP443022	VCP432147	VCP411622
Sample Date		Client Info		12 Jun 2024	23 Oct 2023	01 Sep 2023
Machine Age	hrs	Client Info		5450	4260	4098
Oil Age	hrs	Client Info		0	3760	3500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<1	387	265
Chromium	ppm	ASTM D5185m	>20	<1	5	4
Nickel	ppm	ASTM D5185m	>10	0	2	2
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>30	2	0	0
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>150	7	95	14
Tin	ppm	ASTM D5185m	>20	0	4	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

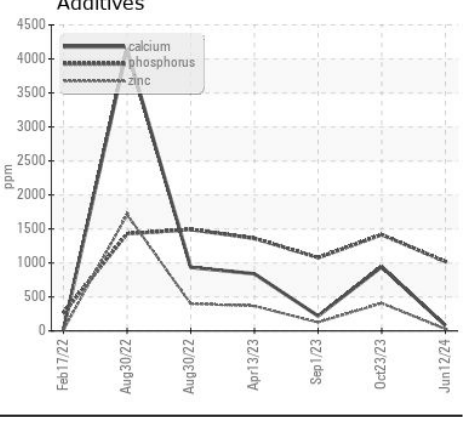
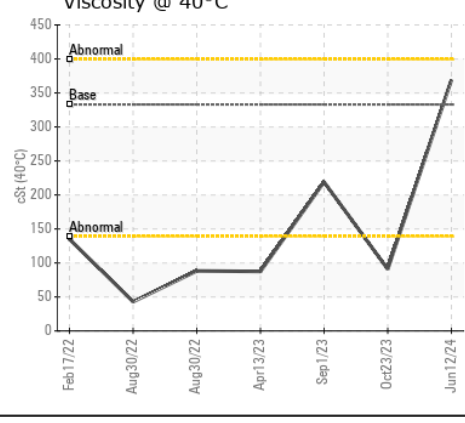
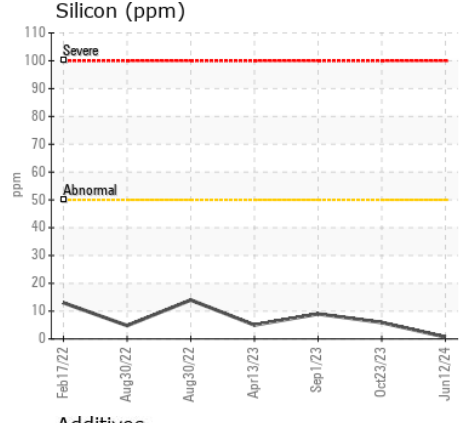
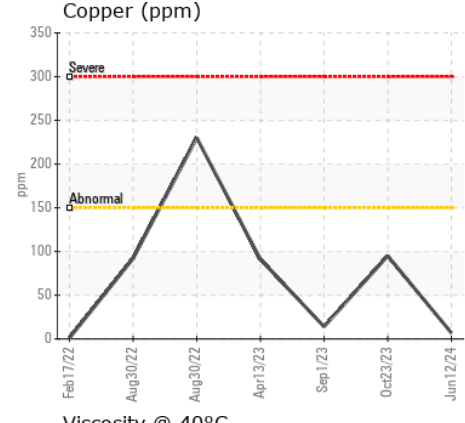
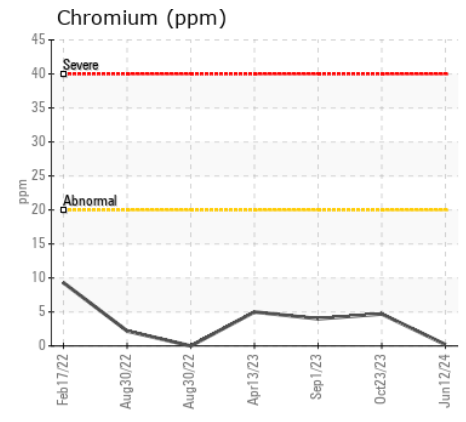
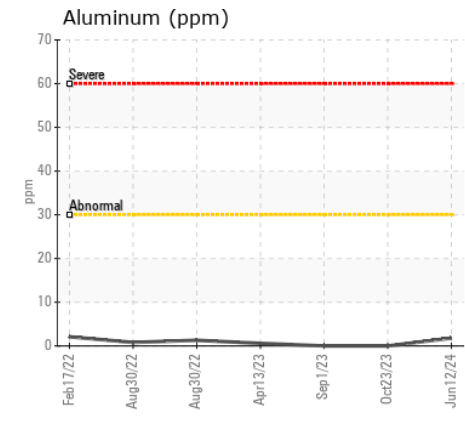
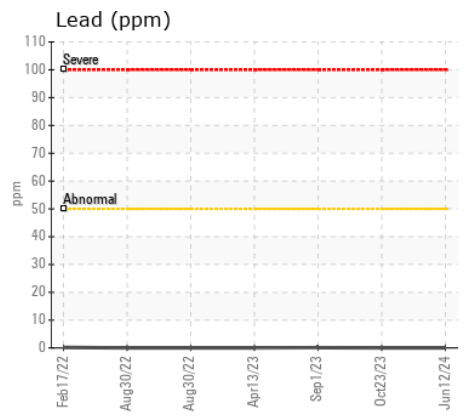
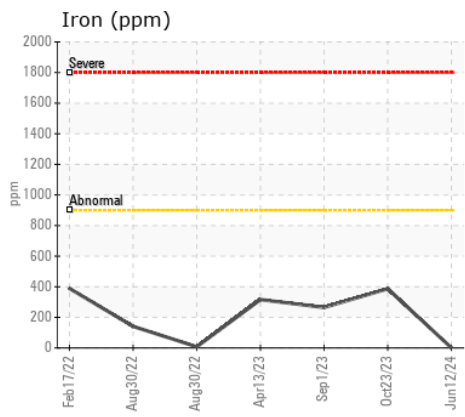
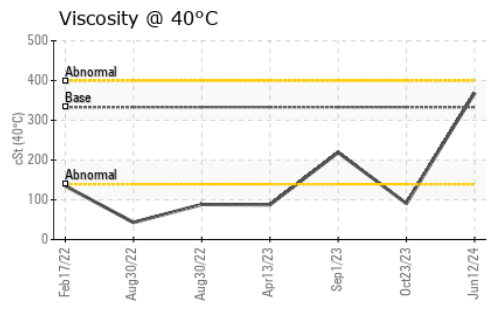
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<1	6	9
Potassium	ppm	ASTM D5185m	>20	1	3	2
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		0	1	0
Boron	ppm	ASTM D5185m	111	184	221	167
Barium	ppm	ASTM D5185m	0.0	<1	1	2
Molybdenum	ppm	ASTM D5185m	0.9	<1	6	3
Manganese	ppm	ASTM D5185m	0.0	0	15	6
Magnesium	ppm	ASTM D5185m	39	<1	4	4
Calcium	ppm	ASTM D5185m	93	81	943	220
Phosphorus	ppm	ASTM D5185m	920	1019	1416	1077
Zinc	ppm	ASTM D5185m	104	28	408	127
Sulfur	ppm	ASTM D5185m	20179	27016	20653	26589
Visc @ 40°C	cSt	ASTM D445	333	369	90.8	219



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP443022 **Received** : 17 Jun 2024
Lab Number : 06212155 **Tested** : 19 Jun 2024
Unique Number : 11085019 **Diagnosed** : 19 Jun 2024 - Wes Davis
Test Package : MOB 1

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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)