



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[702484 APTIM]
Machine Id
VOLVO A30G 740273
Component
Front 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		VCP437325	VCP412856	VCP364332
Sample Date		Client Info		25 Apr 2024	22 Aug 2023	01 Sep 2022
Machine Age	hrs	Client Info		11987	11091	10152
Oil Age	hrs	Client Info		3000	4000	2000
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				ATTENTION	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	259	283	217
Chromium	ppm	ASTM D5185m	>20	3	3	3
Nickel	ppm	ASTM D5185m	>10	2	2	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	3	2
Lead	ppm	ASTM D5185m	>50	0	0	11
Copper	ppm	ASTM D5185m	>150	23	23	21
Tin	ppm	ASTM D5185m	>20	1	1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

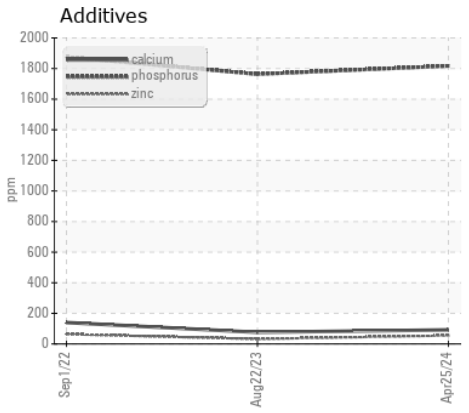
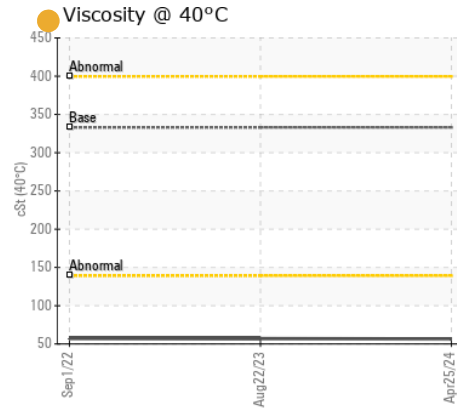
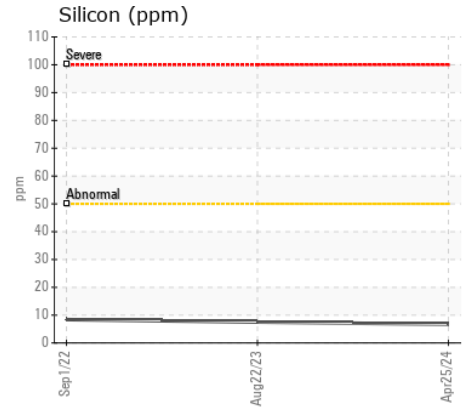
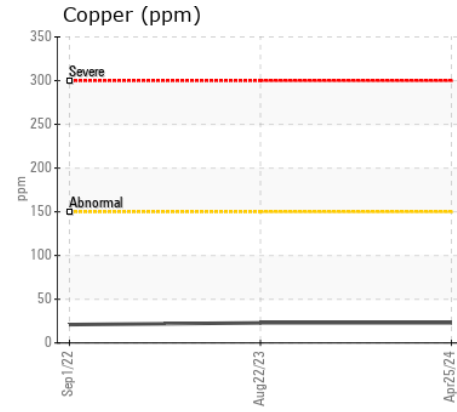
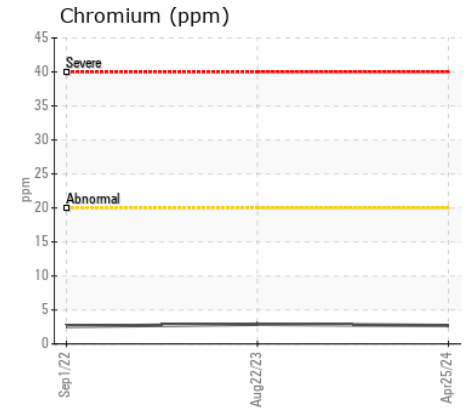
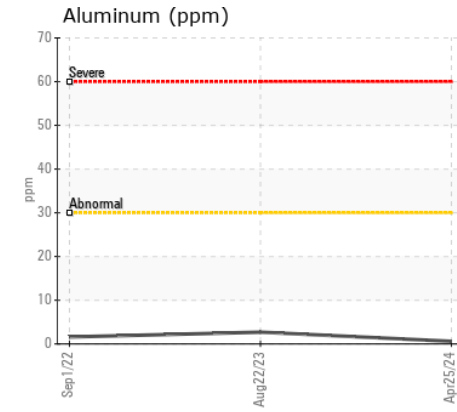
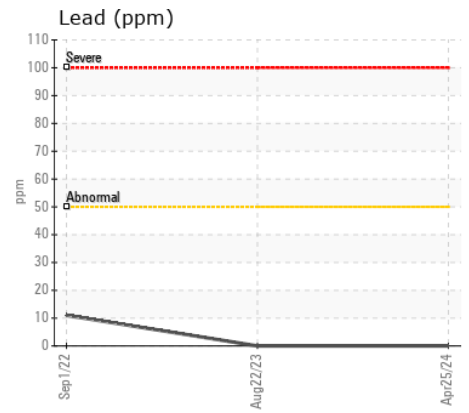
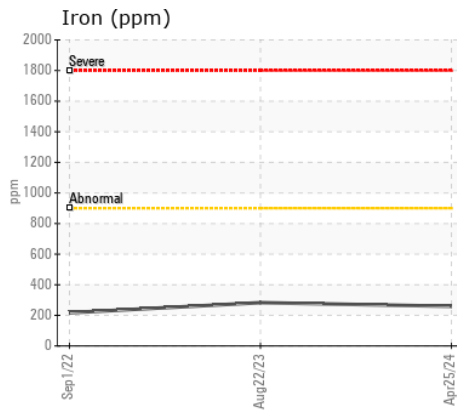
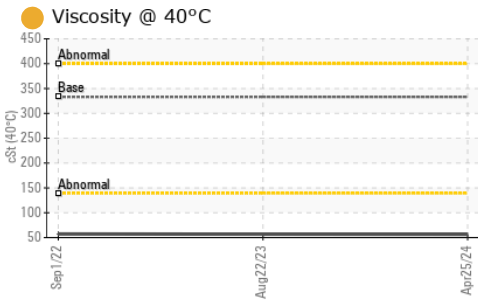
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	7	8	8
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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 oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		3	1	<1
Boron	ppm	ASTM D5185m	111	103	96	156
Barium	ppm	ASTM D5185m	0.0	0	0	2
Molybdenum	ppm	ASTM D5185m	0.9	1	1	4
Manganese	ppm	ASTM D5185m	0.0	4	4	4
Magnesium	ppm	ASTM D5185m	39	<1	0	9
Calcium	ppm	ASTM D5185m	93	92	76	140
Phosphorus	ppm	ASTM D5185m	920	1817	1763	1876
Zinc	ppm	ASTM D5185m	104	55	32	64
Sulfur	ppm	ASTM D5185m	20179	29486	25257	29558
Visc @ 40°C	cSt	ASTM D445	333	56.5	56.9	57.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP437325
Lab Number : 06195791
Unique Number : 11057914
Test Package : MOB 1

Received : 30 May 2024
Tested : 31 May 2024
Diagnosed : 01 Jun 2024 - Don Baldrige

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 TAMPA, FL
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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)