



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>ATTENTION</b>



Area  
**[702884 APTIM]**  
Machine Id  
**VOLVO A30G 740273**  
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		<b>VCP445508</b>	VCP414204	VCP364339
Sample Date		Client Info		<b>25 Apr 2024</b>	22 Aug 2023	01 Sep 2022
Machine Age	hrs	Client Info		<b>11987</b>	11091	10152
Oil Age	hrs	Client Info		<b>3000</b>	4000	2000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	ATTENTION	ATTENTION

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>478</b>	318	251
Chromium	ppm	ASTM D5185m	>20	<b>7</b>	4	4
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	2	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>150	<b>88</b>	76	63
Tin	ppm	ASTM D5185m	>20	<b>7</b>	4	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

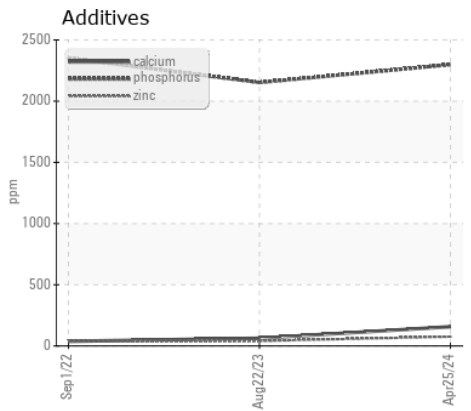
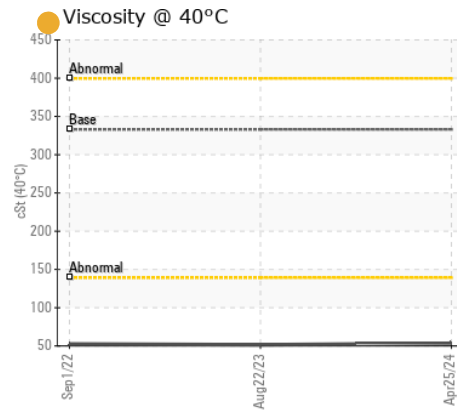
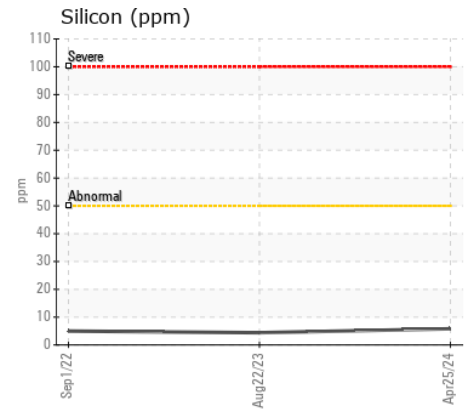
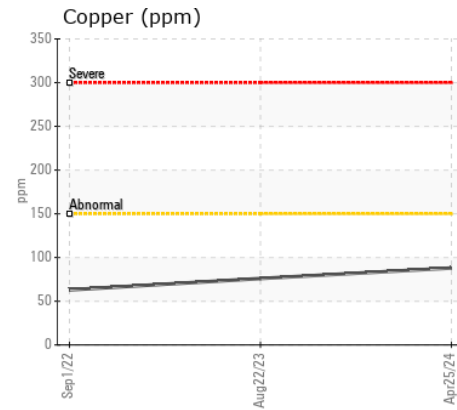
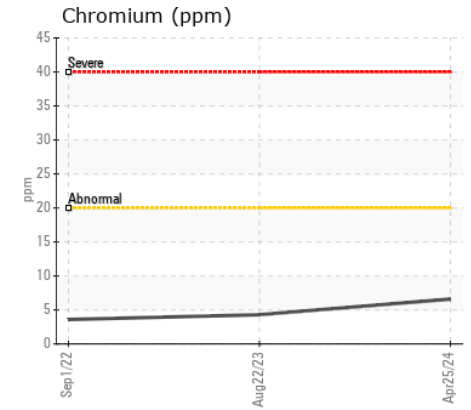
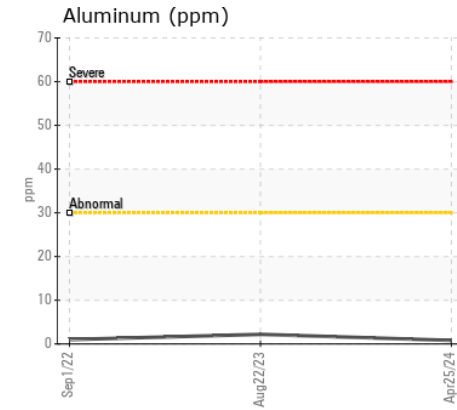
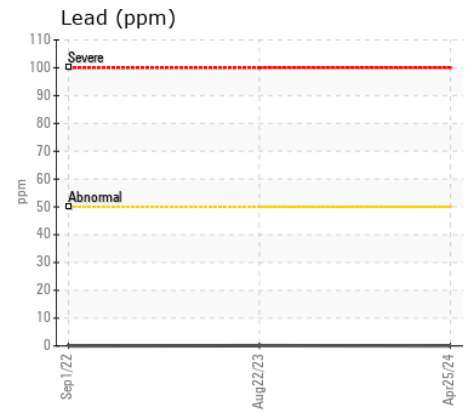
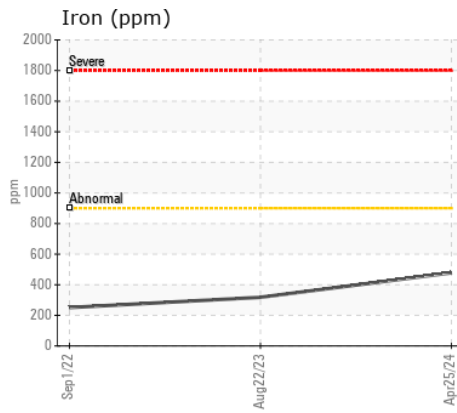
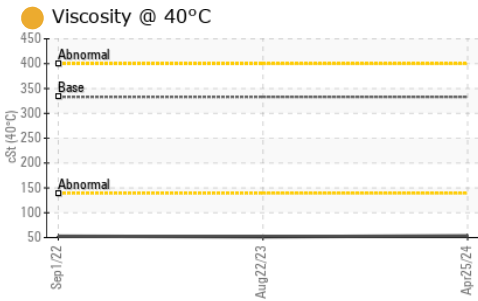
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>6</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>4</b>	2	<1
Boron	ppm	ASTM D5185m	111	<b>115</b>	83	107
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	0.9	<b>4</b>	2	1
Manganese	ppm	ASTM D5185m	0.0	<b>9</b>	7	6
Magnesium	ppm	ASTM D5185m	39	<b>2</b>	0	<1
Calcium	ppm	ASTM D5185m	93	<b>157</b>	63	38
Phosphorus	ppm	ASTM D5185m	920	<b>2298</b>	2152	2352
Zinc	ppm	ASTM D5185m	104	<b>76</b>	40	37
Sulfur	ppm	ASTM D5185m	20179	<b>31949</b>	27175	34744
Visc @ 40°C	cSt	ASTM D445	333	<b>53.5</b>	51.6	52.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP445508  
**Lab Number** : 06195772  
**Unique Number** : 11057895  
**Test Package** : MOB 1

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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)