



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**[SPM659044-10]**  
 Machine Id  
**VOLVO A40G 341625**  
 Component  
**Drop Box**  
 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		VCP442651	VCP299516	VCP240420
Sample Date		Client Info		11 Jan 2024	04 Jan 2021	07 May 2019
Machine Age	hrs	Client Info		8515	4161	2457
Oil Age	hrs	Client Info		0	0	2457
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	150	59	48
Chromium	ppm	ASTM D5185m	>20	3	1	1
Nickel	ppm	ASTM D5185m	>10	1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>30	4	27	11
Lead	ppm	ASTM D5185m	>30	0	4	4
Copper	ppm	ASTM D5185m	>30	3	<1	2
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

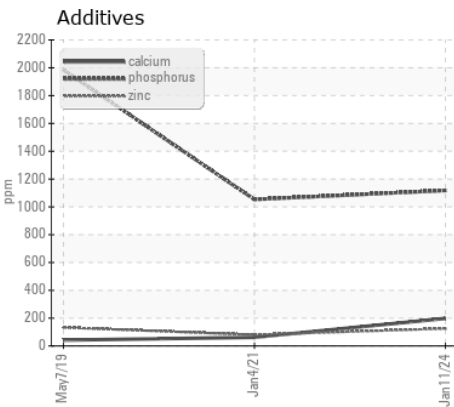
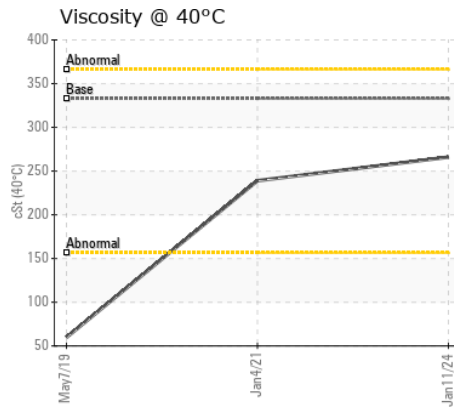
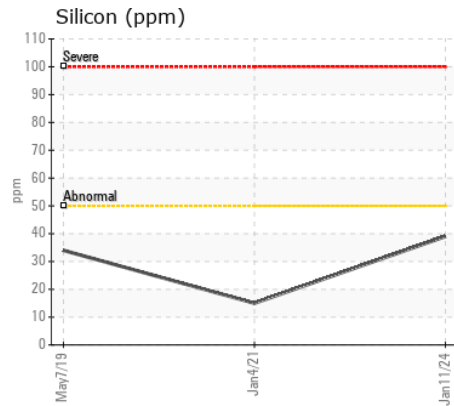
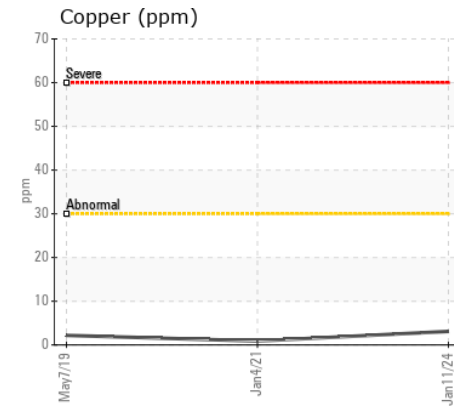
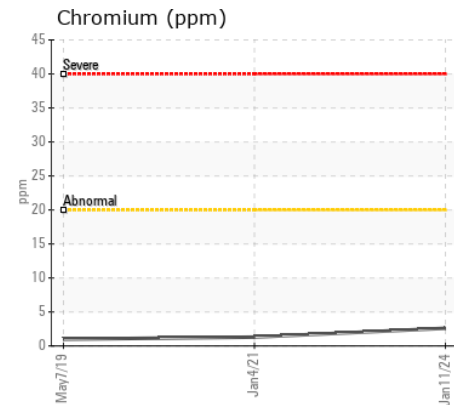
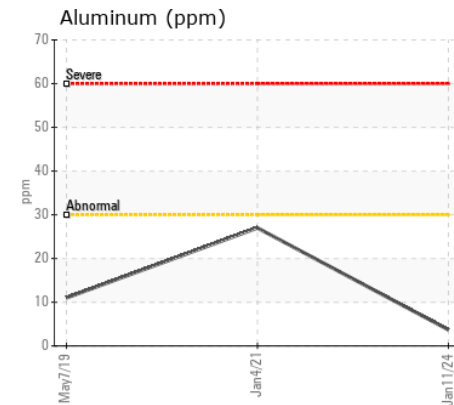
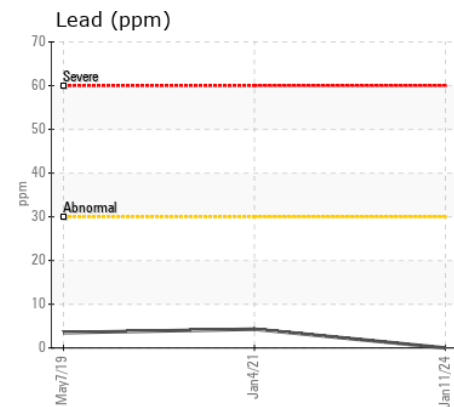
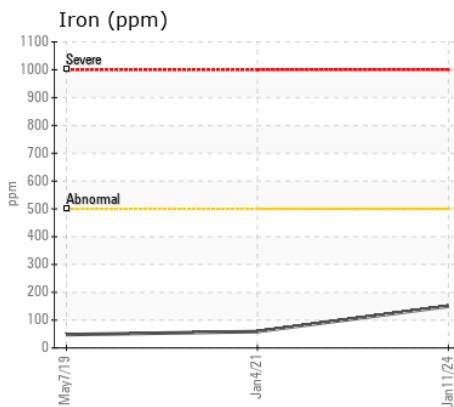
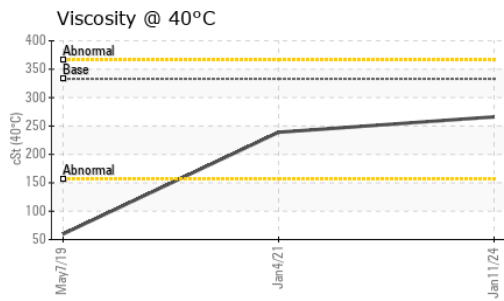
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	39	15	34
Potassium	ppm	ASTM D5185m	>20	1	8	0
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		1	3	9
Boron	ppm	ASTM D5185m	111	169	151	150
Barium	ppm	ASTM D5185m	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0.9	22	4	3
Manganese	ppm	ASTM D5185m	0.0	1	2	2
Magnesium	ppm	ASTM D5185m	39	48	12	2
Calcium	ppm	ASTM D5185m	93	198	62	42
Phosphorus	ppm	ASTM D5185m	920	1118	1053	1985
Zinc	ppm	ASTM D5185m	104	125	80	133
Sulfur	ppm	ASTM D5185m	20179	29785	26219	26802
Visc @ 40°C	cSt	ASTM D445	333	266	239	▲ 59.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP442651 **Received** : 17 Jan 2024  
**Lab Number** : 06063915 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10835297 **Diagnostician** : Wes Davis  
**Test Package** : MOBCE

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302

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)