



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[701286 PRIMORIS]
 Machine Id
VOLVO A40G 352491
 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		VCP444024	VCP426335	VCP424811
Sample Date		Client Info		18 Apr 2024	22 Sep 2023	25 Apr 2023
Machine Age	hrs	Client Info		5157	4299	3617
Oil Age	hrs	Client Info		1000	4299	3617
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	106	411	337
Chromium	ppm	ASTM D5185m	>20	<1	4	3
Nickel	ppm	ASTM D5185m	>10	<1	3	1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	2	0
Lead	ppm	ASTM D5185m	>30	<1	<1	0
Copper	ppm	ASTM D5185m	>30	6	▲ 32	6
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

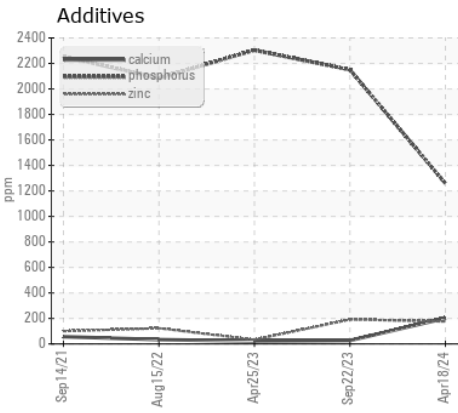
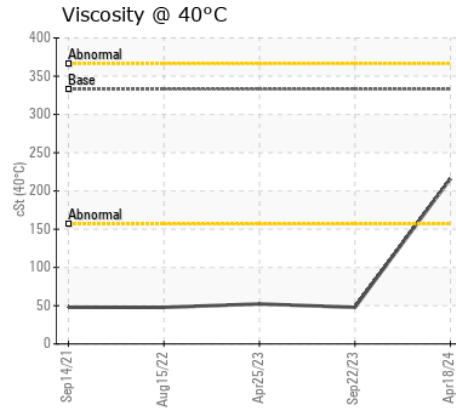
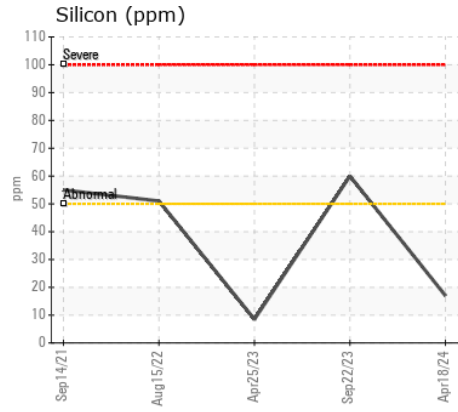
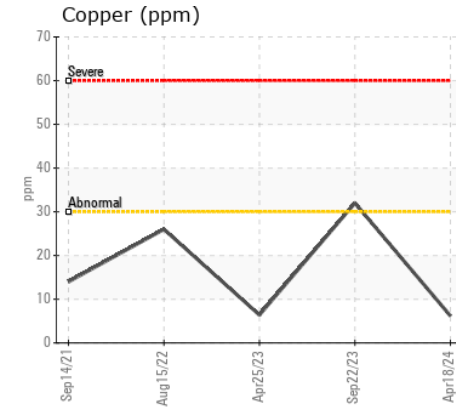
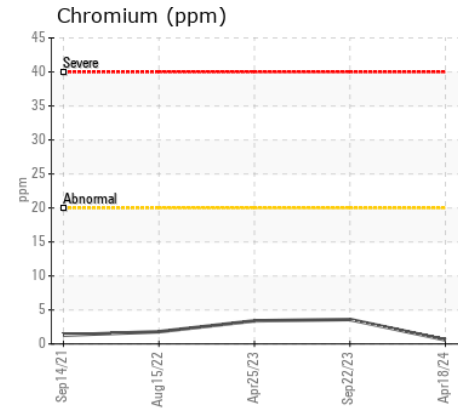
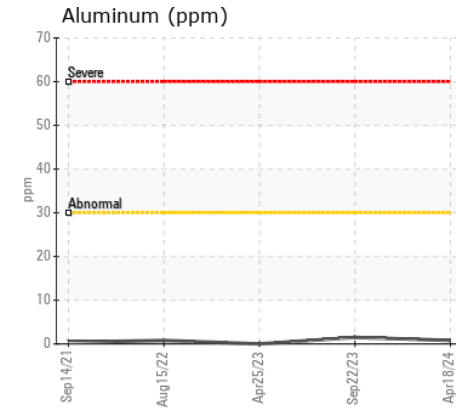
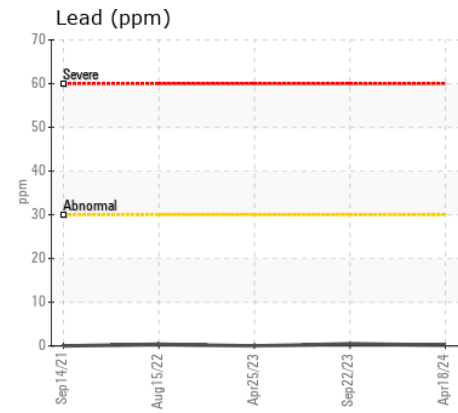
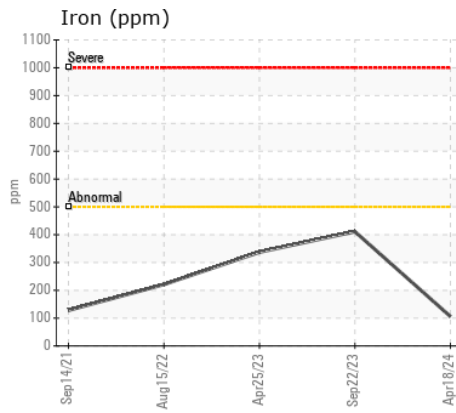
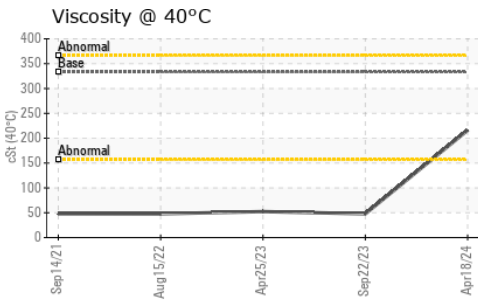
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	17	▲ 60	8
Potassium	ppm	ASTM D5185m	>20	<1	2	4
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		2	5	0
Boron	ppm	ASTM D5185m	111	172	107	132
Barium	ppm	ASTM D5185m	0.0	0	10	0
Molybdenum	ppm	ASTM D5185m	0.9	16	20	6
Manganese	ppm	ASTM D5185m	0.0	2	8	14
Magnesium	ppm	ASTM D5185m	39	61	5	2
Calcium	ppm	ASTM D5185m	93	202	27	22
Phosphorus	ppm	ASTM D5185m	920	1259	2150	2304
Zinc	ppm	ASTM D5185m	104	176	192	33
Sulfur	ppm	ASTM D5185m	20179	27577	29980	30346
Visc @ 40°C	cSt	ASTM D445	333	216	● 47.8	● 52.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP444024
Lab Number : 06190776
Unique Number : 11047528
Test Package : MOB 1

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 US 33619
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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)