



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[TUCKER PAVING]
 Machine Id
VOLVO A25G 752438
 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		VCP444693	VCP402861	VCP389367
Sample Date		Client Info		18 Jun 2024	22 Feb 2023	18 Oct 2022
Machine Age	hrs	Client Info		3330	1047	523
Oil Age	hrs	Client Info		0	500	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	149	98	265
Chromium	ppm	ASTM D5185m	>20	2	2	6
Nickel	ppm	ASTM D5185m	>10	<1	2	5
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	2	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	23	9	31
Tin	ppm	ASTM D5185m	>20	0	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

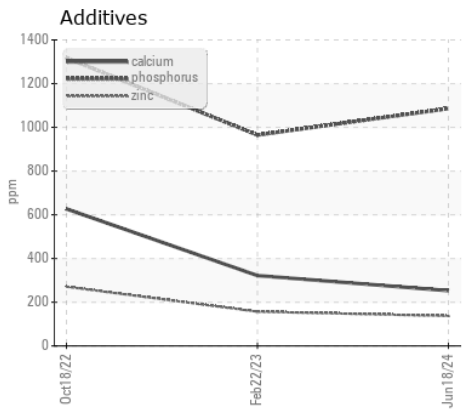
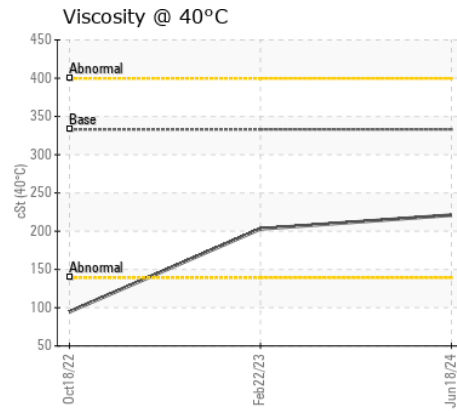
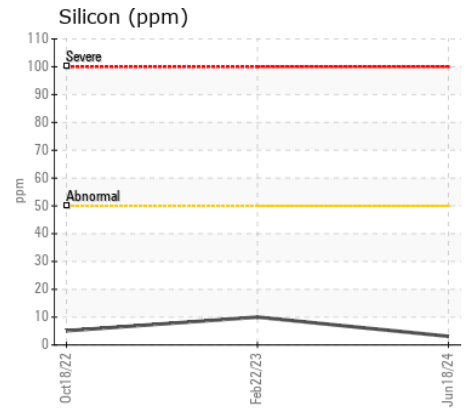
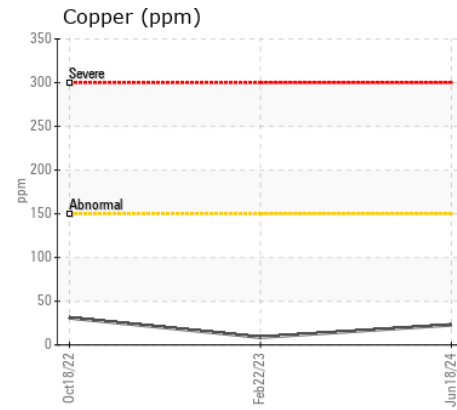
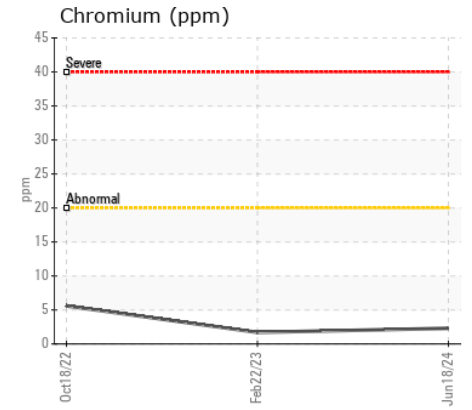
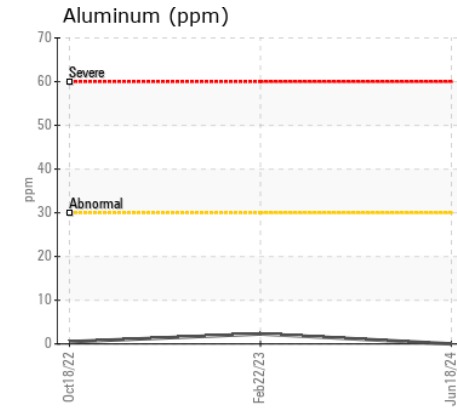
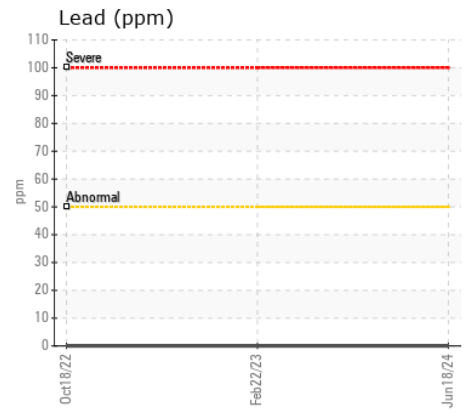
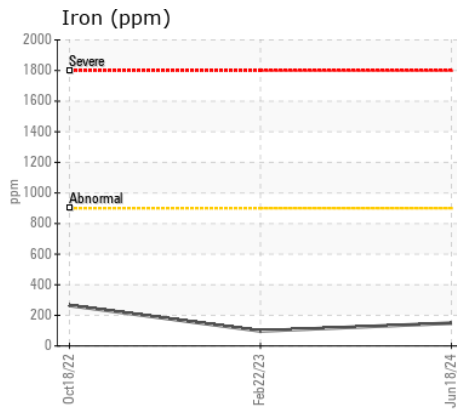
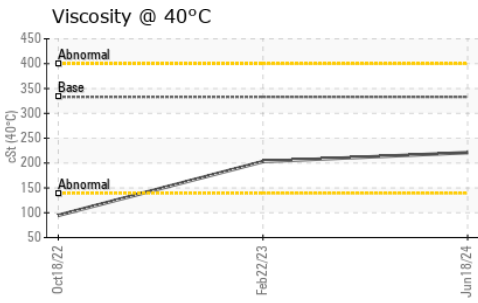
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	10	5
Potassium	ppm	ASTM D5185m	>20	<1	3	1
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		1	0	1
Boron	ppm	ASTM D5185m	111	150	164	222
Barium	ppm	ASTM D5185m	0.0	<1	2	1
Molybdenum	ppm	ASTM D5185m	0.9	7	8	15
Manganese	ppm	ASTM D5185m	0.0	4	3	12
Magnesium	ppm	ASTM D5185m	39	18	23	2
Calcium	ppm	ASTM D5185m	93	253	322	627
Phosphorus	ppm	ASTM D5185m	920	1086	965	1318
Zinc	ppm	ASTM D5185m	104	137	157	271
Sulfur	ppm	ASTM D5185m	20179	29062	22216	23063
Visc @ 40°C	cSt	ASTM D445	333	221	203	94.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP444693
Lab Number : 06221631
Unique Number : 11099828
Test Package : MOB 1

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Wes Davis

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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)