



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[SWO-071765]
 Machine Id
VOLVO A45G 342546
 Component
Bogie/Center 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		VCP449657	VCP432909	VCP417744
Sample Date		Client Info		07 May 2024	04 Oct 2023	19 Jun 2023
Machine Age	hrs	Client Info		8542	8046	7553
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	57	40	46
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	0	4
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>150	6	<1	<1
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

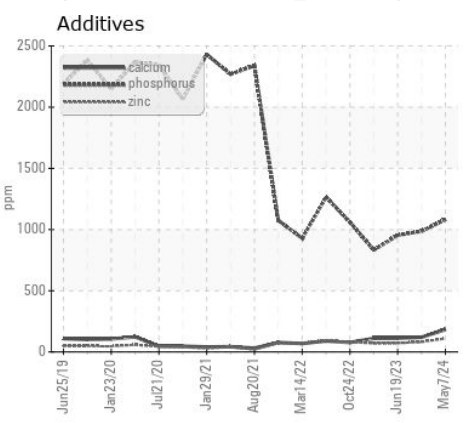
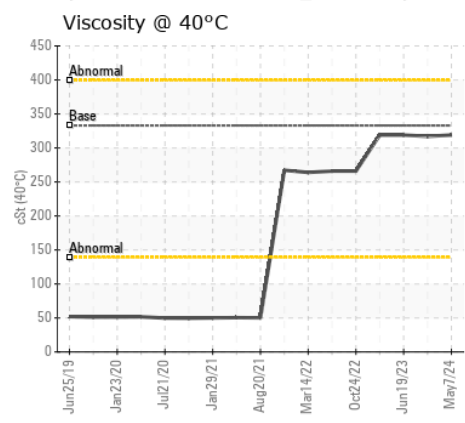
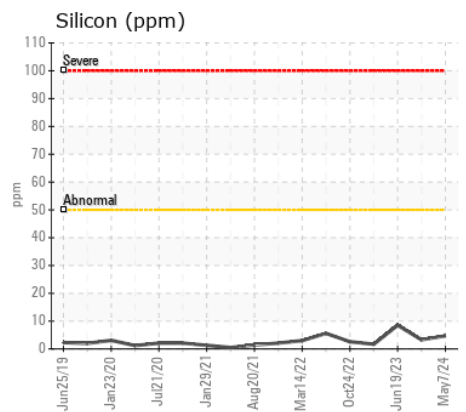
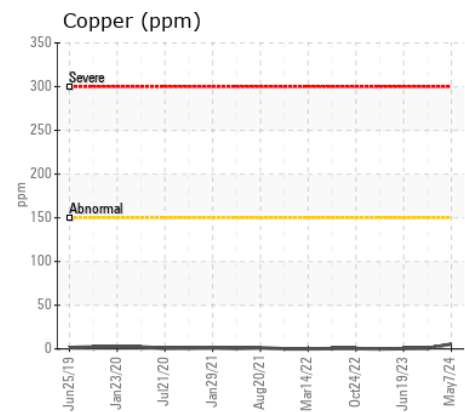
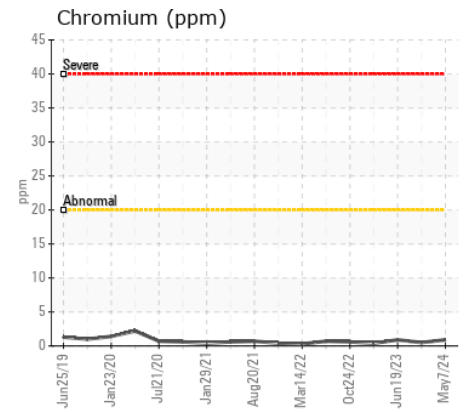
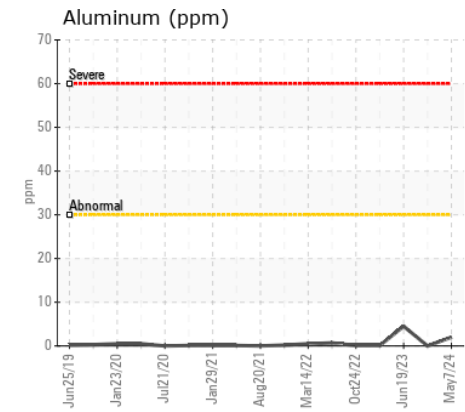
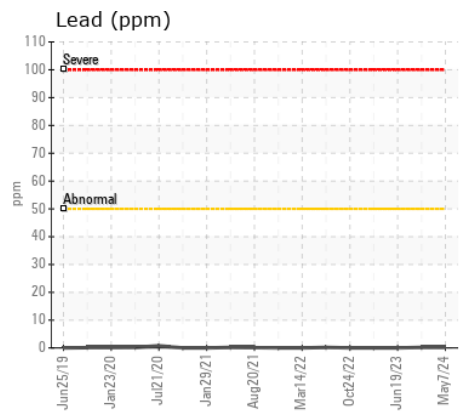
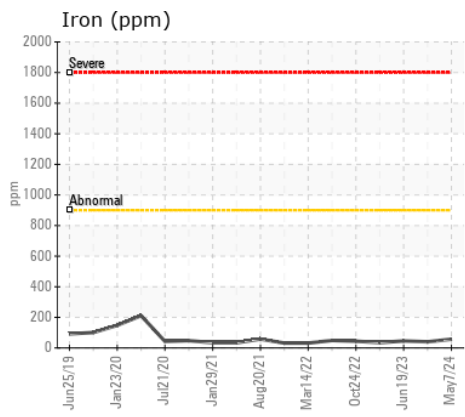
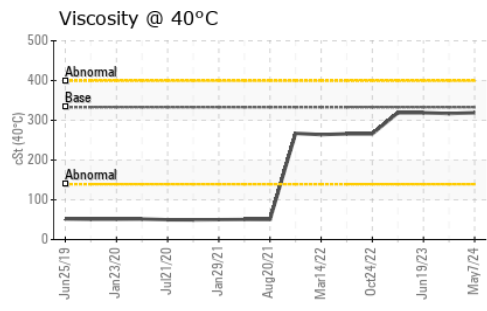
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	5	3	8
Potassium	ppm	ASTM D5185m	>20	1	<1	2
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		0	0	1
Boron	ppm	ASTM D5185m	111	206	159	178
Barium	ppm	ASTM D5185m	0.0	2	1	0
Molybdenum	ppm	ASTM D5185m	0.9	4	3	3
Manganese	ppm	ASTM D5185m	0.0	2	1	2
Magnesium	ppm	ASTM D5185m	39	30	26	31
Calcium	ppm	ASTM D5185m	93	183	120	112
Phosphorus	ppm	ASTM D5185m	920	1082	986	953
Zinc	ppm	ASTM D5185m	104	110	81	72
Sulfur	ppm	ASTM D5185m	20179	23090	20697	23504
Visc @ 40°C	cSt	ASTM D445	333	319	317	319



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP449657
Lab Number : 06175888
Unique Number : 11021941
Test Package : MOB 1
Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 14 May 2024 - Sean Felton

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Certificate L2367
 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)