



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
CENTENNIAL CONSTRUCTION [401963]

Machine Id
VOLVO A25G 752254

Component
Bogie/Center Axle

Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP392817	---	---
Sample Date		Client Info		24 Apr 2024	---	---
Machine Age	hrs	Client Info		2130	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>900	260	---	---
Chromium	ppm	ASTM D5185(m)	>20	5	---	---
Nickel	ppm	ASTM D5185(m)	>10	3	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>30	<1	---	---
Lead	ppm	ASTM D5185(m)	>50	<1	---	---
Copper	ppm	ASTM D5185(m)	>150	55	---	---
Tin	ppm	ASTM D5185(m)	>20	2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

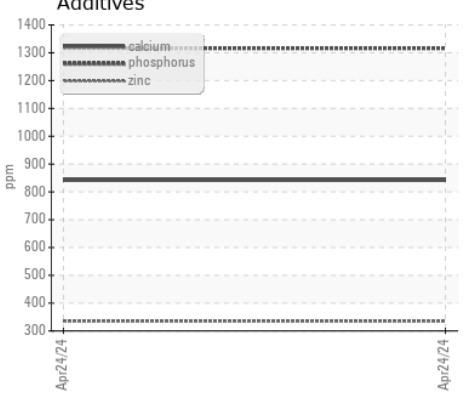
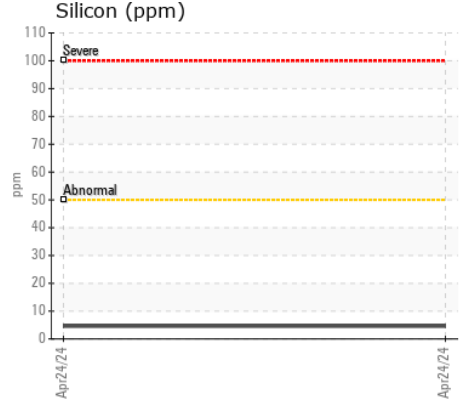
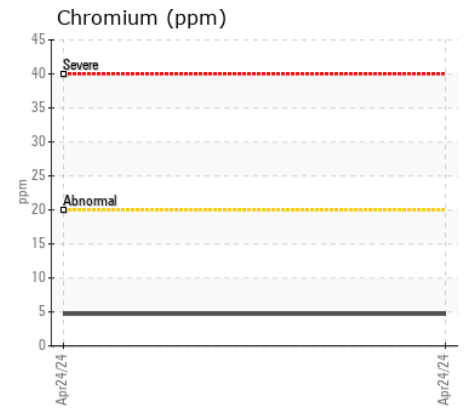
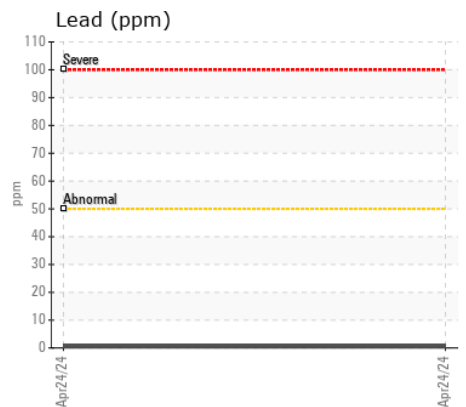
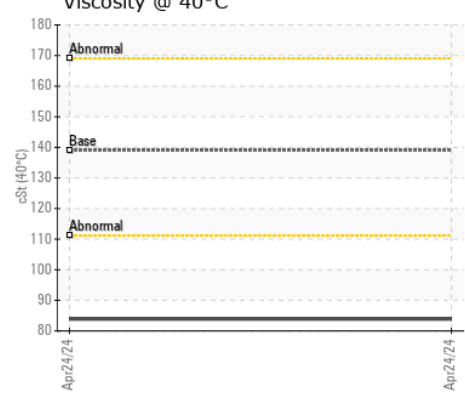
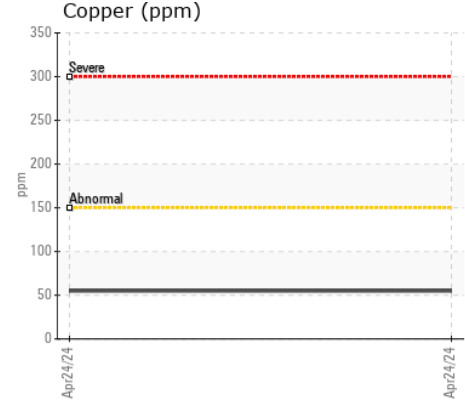
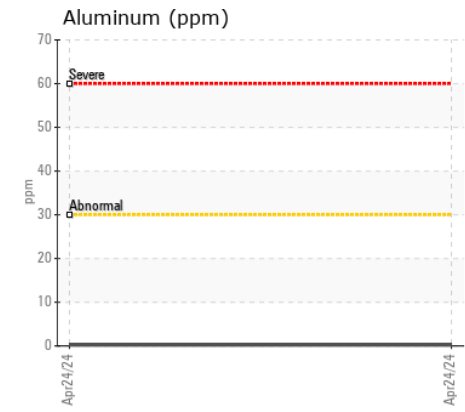
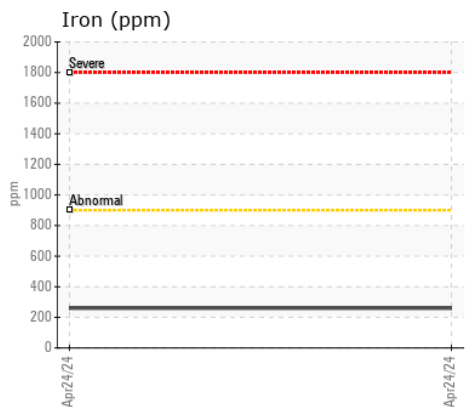
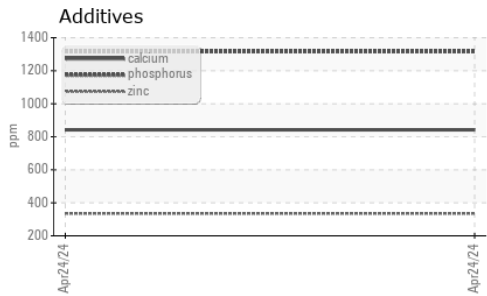
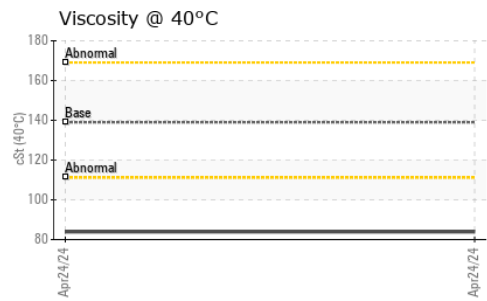
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)	379	207	---	---
Barium	ppm	ASTM D5185(m)	0.0	5	---	---
Molybdenum	ppm	ASTM D5185(m)	0.8	4	---	---
Manganese	ppm	ASTM D5185(m)	0.0	10	---	---
Magnesium	ppm	ASTM D5185(m)	31	2	---	---
Calcium	ppm	ASTM D5185(m)	38	842	---	---
Phosphorus	ppm	ASTM D5185(m)	1077	1316	---	---
Zinc	ppm	ASTM D5185(m)	46	335	---	---
Sulfur	ppm	ASTM D5185(m)	23526	18077	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	139	83.9	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP392817 **Received** : 29 Apr 2024
Lab Number : 02632047 **Tested** : 29 Apr 2024
Unique Number : 5773200 **Diagnosed** : 30 Apr 2024 - Kevin Marson
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.