



VOLVO

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

NORMAL

ATTENTION



Machine Id
VOLVO A45G FS 352634

Component
Drop Box

Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP436118	---	---
Sample Date		Client Info		05 Jan 2024	---	---
Machine Age	hrs	Client Info		2399	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

Bearing and/or gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 740	---	---
Chromium	ppm	ASTM D5185m	>20	9	---	---
Nickel	ppm	ASTM D5185m	>10	5	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	2	---	---
Lead	ppm	ASTM D5185m	>30	1	---	---
Copper	ppm	ASTM D5185m	>30	▲ 121	---	---
Tin	ppm	ASTM D5185m	>20	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

There is no indication of any contamination in the oil.

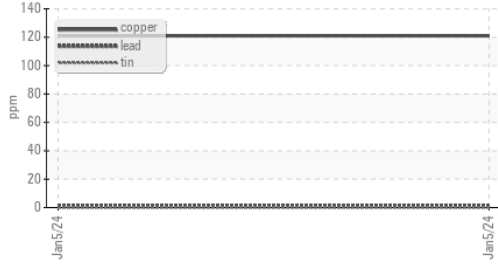
Silicon	ppm	ASTM D5185m	>50	36	---	---
Potassium	ppm	ASTM D5185m	>20	8	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

FLUID CONDITION

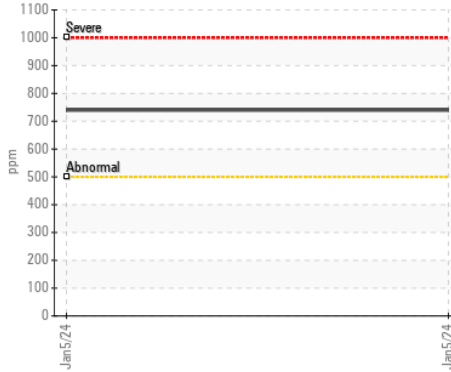
The oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m	111	68	---	---
Barium	ppm	ASTM D5185m	0.0	9	---	---
Molybdenum	ppm	ASTM D5185m	0.9	42	---	---
Manganese	ppm	ASTM D5185m	0.0	12	---	---
Magnesium	ppm	ASTM D5185m	39	6	---	---
Calcium	ppm	ASTM D5185m	93	48	---	---
Phosphorus	ppm	ASTM D5185m	920	2122	---	---
Zinc	ppm	ASTM D5185m	104	250	---	---
Sulfur	ppm	ASTM D5185m	20179	28915	---	---
Visc @ 40°C	cSt	ASTM D445	333	▲ 50.9	---	---

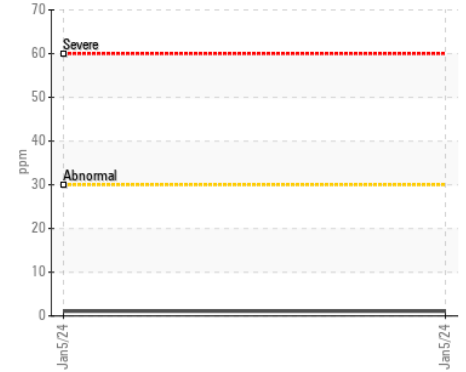
▲ Non-ferrous Metals



▲ Iron (ppm)



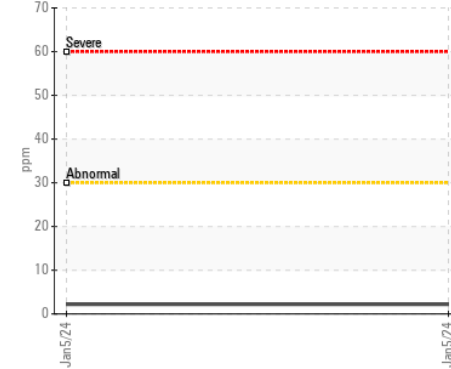
Lead (ppm)



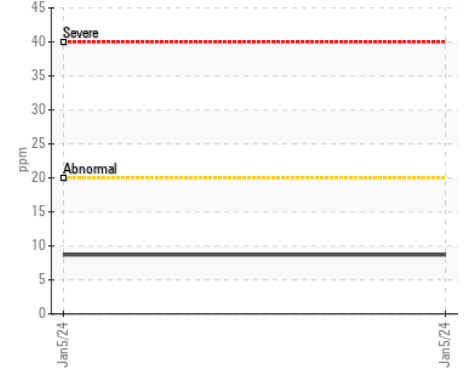
▲ Ferrous Alloys



Aluminum (ppm)



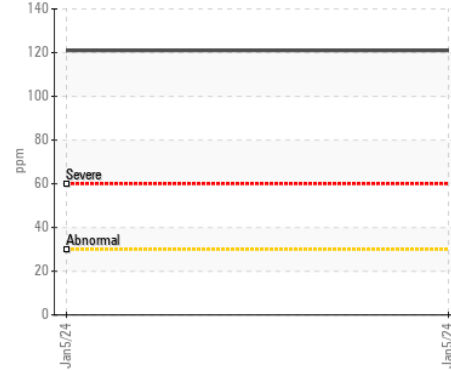
Chromium (ppm)



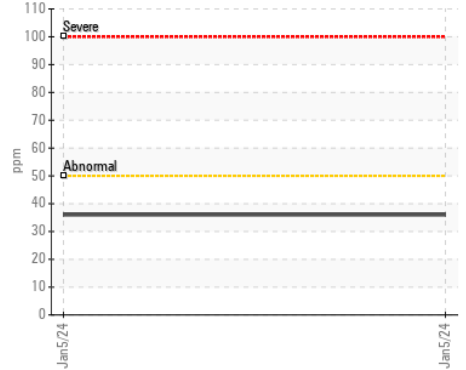
▲ Viscosity @ 40°C



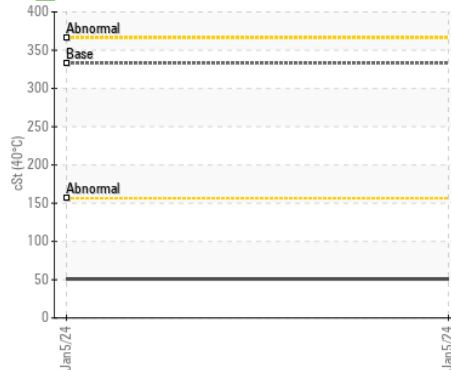
▲ Copper (ppm)



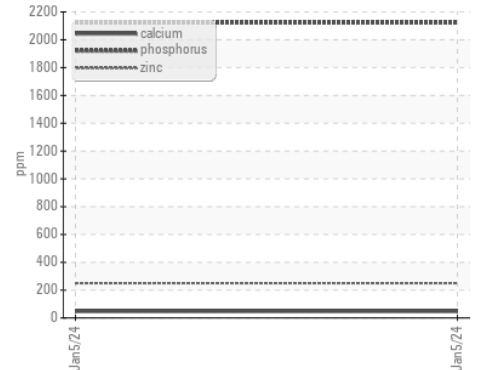
Silicon (ppm)



▲ Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP436118 **Received** : 08 Jan 2024
Lab Number : 06054368 **Diagnosed** : 10 Jan 2024
Unique Number : 10820317 **Diagnostician** : Jonathan Hester
Test Package : MOB 1

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)