MOB I

VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CBM [396603]
Machine Id
VOLVO A40G 353347
Component
Middle 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.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

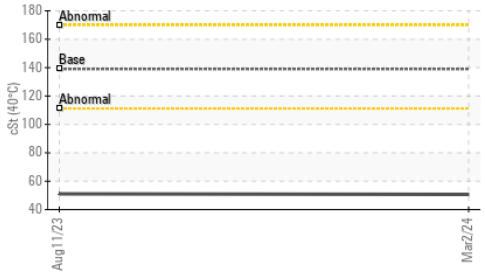
Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**VCP380103**	VCP394843	---
Sample Date		Client Info		**02 Mar 2024**	11 Aug 2023	---
Machine Age	hrs	Client Info		**2000**	1014	---
Oil Age	hrs	Client Info		**2000**	1000	---
Filter Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Not Changd**	Not Changd	---
Filter Changed		Client Info		**Not Changd**	Not Changd	---
Sample Status				**NORMAL**	NORMAL	---
Iron	ppm	ASTM D5185(m)	>900	**230**	253	---
Chromium	ppm	ASTM D5185(m)	>20	**3**	4	---
Nickel	ppm	ASTM D5185(m)	>10	**1**	<1	---
Titanium	ppm	ASTM D5185(m)		**0**	0	---
Silver	ppm	ASTM D5185(m)		**0**	<1	---
Aluminum	ppm	ASTM D5185(m)	>30	**<1**	<1	---
Lead	ppm	ASTM D5185(m)	>50	**<1**	0	---
Copper	ppm	ASTM D5185(m)	>150	**2**	2	---
Tin	ppm	ASTM D5185(m)	>20	**0**	0	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
White Metal	scalar	Visual*	NONE	**NONE**	VLITE	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	---
Silicon	ppm	ASTM D5185(m)	>50	**3**	3	---
Potassium	ppm	ASTM D5185(m)	>20	**5**	4	---
Water		WC Method	>0.2	**NEG**	NEG	---
Silt	scalar	Visual*	NONE	**NONE**	VLITE	---
Debris	scalar	Visual*	NONE	**NONE**	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	---
Appearance	scalar	Visual*	NORML	**NORML**	NORML	---
Odor	scalar	Visual*	NORML	**NORML**	NORML	---
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Sodium	ppm	ASTM D5185(m)		**2**	3	---
Boron	ppm	ASTM D5185(m)	379	**239**	255	---
Barium	ppm	ASTM D5185(m)	0.0	**0**	<1	---
Molybdenum	ppm	ASTM D5185(m)	0.8	**6**	7	---
Manganese	ppm	ASTM D5185(m)	0.0	**8**	9	---
Magnesium	ppm	ASTM D5185(m)	31	**1**	1	---
Calcium	ppm	ASTM D5185(m)	38	**26**	20	---
Phosphorus	ppm	ASTM D5185(m)	1077	**2449**	2486	---
Zinc	ppm	ASTM D5185(m)	46	**15**	14	---
Sulfur	ppm	ASTM D5185(m)	23526	**25967**	26229	---
Visc @ 40°C	cSt	ASTM D7279(m)	139	**50.7**	51.1	---

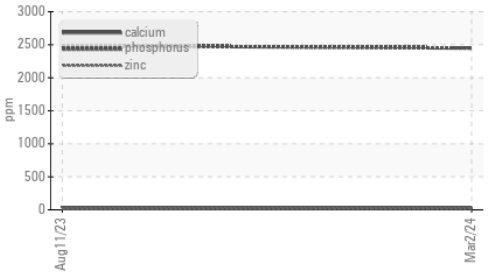
Report Id: CASKIT [WCAMIS] 02620262 (Generated: 03/06/2024 16:42:16) Rev: 1

Contact/Location: Eric Mailloux - CASKIT

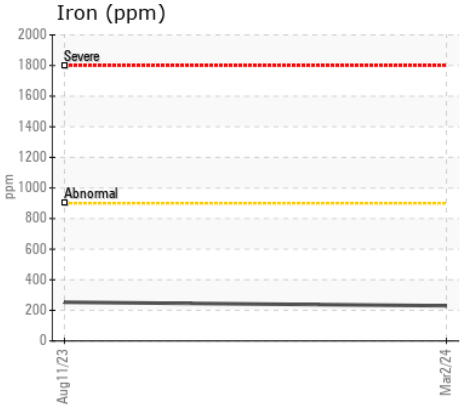
Viscosity @ 40°C



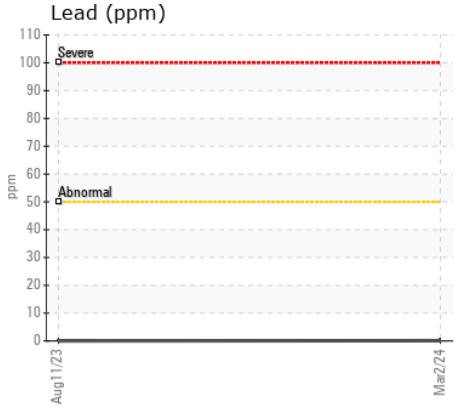
Additives



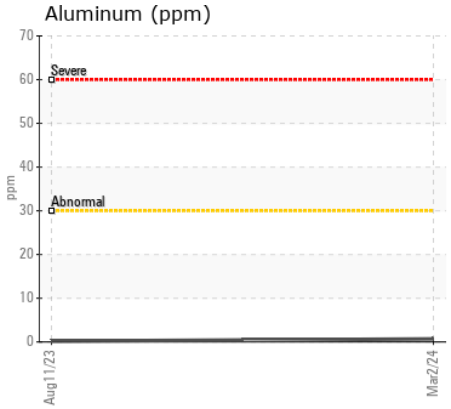
Iron (ppm)



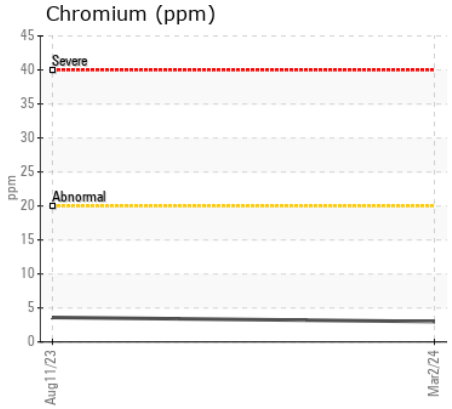
Lead (ppm)



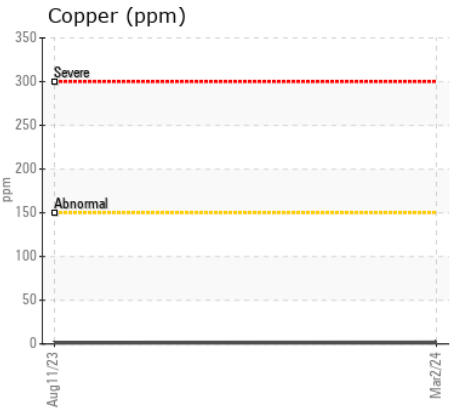
Aluminum (ppm)



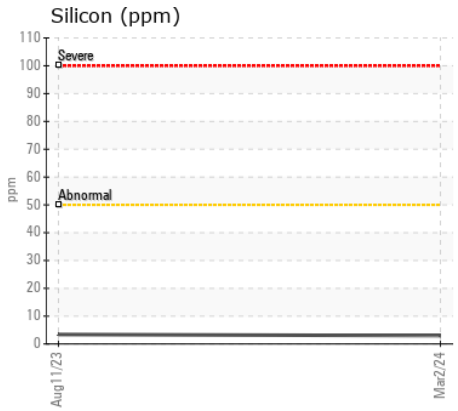
Chromium (ppm)



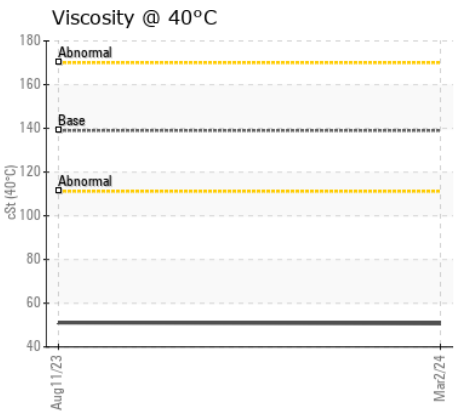
Copper (ppm)



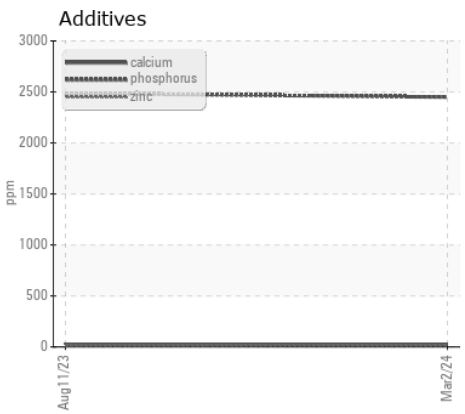
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP380103
Lab Number : 02620262
Unique Number : 5737372
Test Package : MOB 1

Received : 06 Mar 2024
Tested : 06 Mar 2024
Diagnosed : 06 Mar 2024 - Kevin Marson

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.

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