



VOLVO

OIL ANALYSIS REPORT

WEAR

ABNORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL



Area

[469737 WATER FRONT]

Machine Id

VOLVO A40G 342355

Component

Drop Box

Fluid

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

RECOMMENDATION

The oil change at the time of sampling has been noted. 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		VCP441648	VCP449234	VCP302588
Sample Date		Client Info		30 Jan 2024	02 Jan 2024	21 Jan 2021
Machine Age	hrs	Client Info		7915	7884	5098
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		Changed	Not Changd	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	▲ 559	424	26
Chromium	ppm	ASTM D5185m	>20	6	4	<1
Nickel	ppm	ASTM D5185m	>10	1	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	29	23	6
Lead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>30	2	2	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	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.

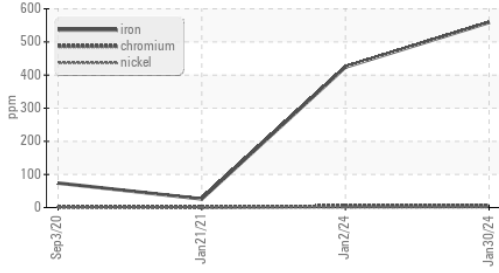
Silicon	ppm	ASTM D5185m	>50	23	18	6
Potassium	ppm	ASTM D5185m	>20	3	<1	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

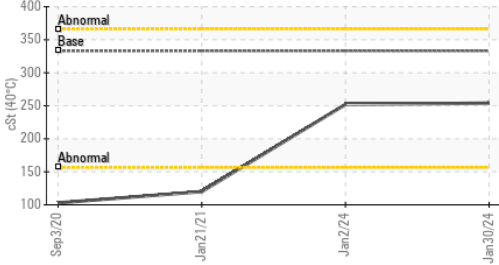
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	4	6
Boron	ppm	ASTM D5185m	111	169	130	116
Barium	ppm	ASTM D5185m	0.0	7	0	0
Molybdenum	ppm	ASTM D5185m	0.9	19	15	4
Manganese	ppm	ASTM D5185m	0.0	6	5	<1
Magnesium	ppm	ASTM D5185m	39	39	29	2
Calcium	ppm	ASTM D5185m	93	135	103	134
Phosphorus	ppm	ASTM D5185m	920	1279	973	882
Zinc	ppm	ASTM D5185m	104	108	84	71
Sulfur	ppm	ASTM D5185m	20179	35211	25074	14526
Visc @ 40°C	cSt	ASTM D445	333	254	252	120

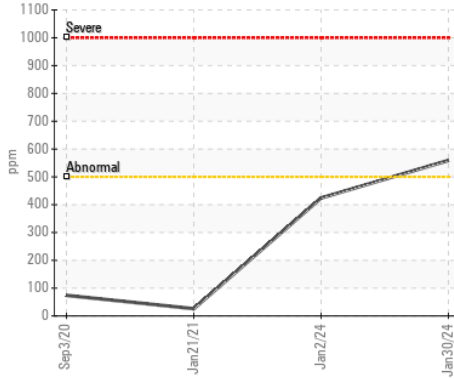
▲ Ferrous Alloys



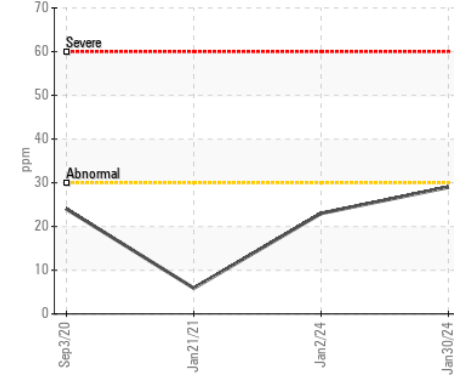
Viscosity @ 40°C



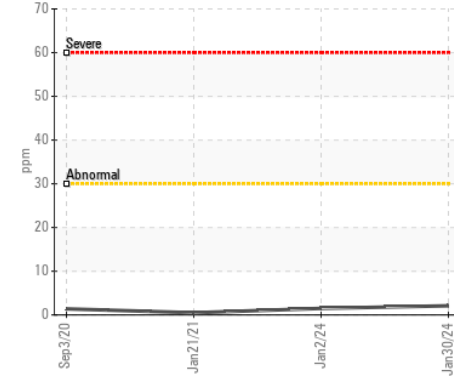
▲ Iron (ppm)



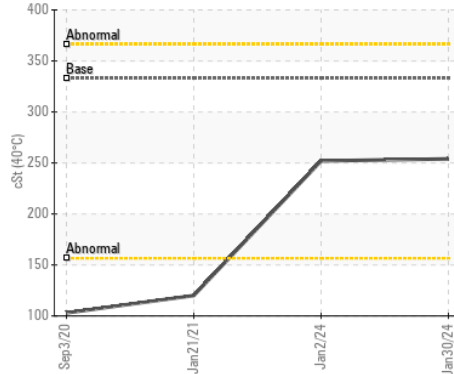
Aluminum (ppm)



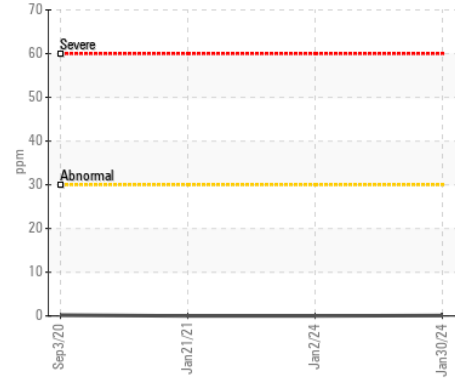
Copper (ppm)



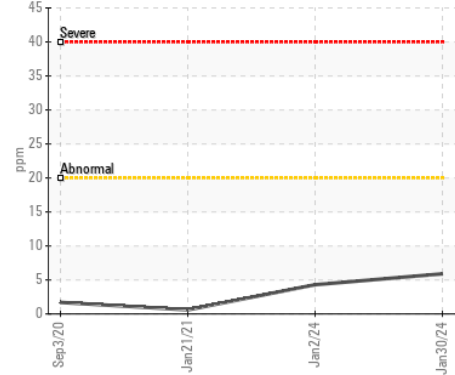
Viscosity @ 40°C



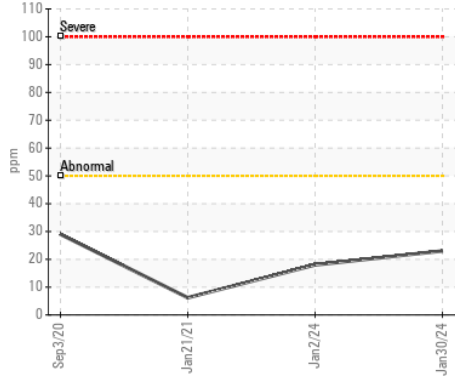
Lead (ppm)



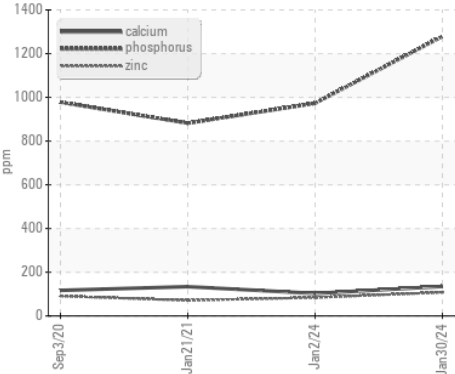
Chromium (ppm)



Silicon (ppm)



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP441648 **Received** : 01 Feb 2024
Lab Number : 06077862 **Diagnosed** : 04 Feb 2024
Unique Number : 10859953 **Diagnostician** : Don Baldrige
Test Package : MOB 1

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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)