



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[393638-40 H&J]
Machine Id
VOLVO A30G 752416
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		VCP379717	VCP415555	VCP425700
Sample Date		Client Info		30 Jan 2024	13 Jul 2023	03 May 2023
Machine Age	hrs	Client Info		4086	6366	3168
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	77	90	286
Chromium	ppm	ASTM D5185m	>20	<1	2	5
Nickel	ppm	ASTM D5185m	>10	<1	<1	3
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	<1	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	15	15	50
Tin	ppm	ASTM D5185m	>20	<1	0	3
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

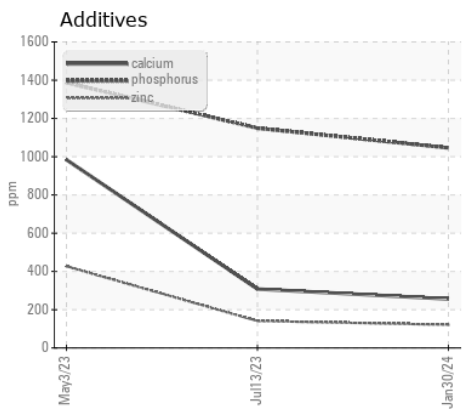
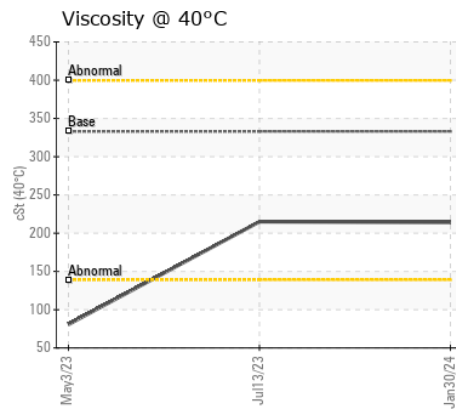
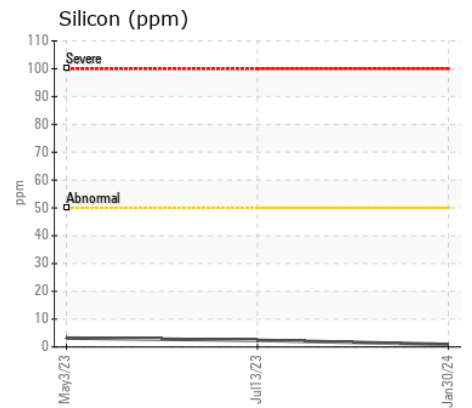
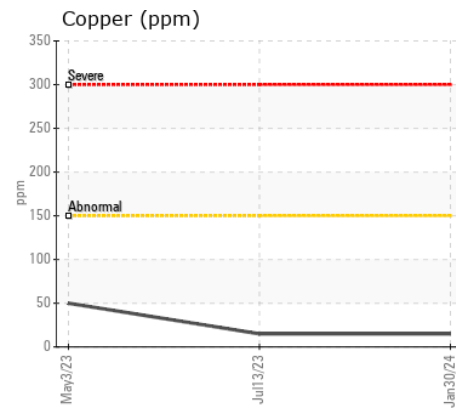
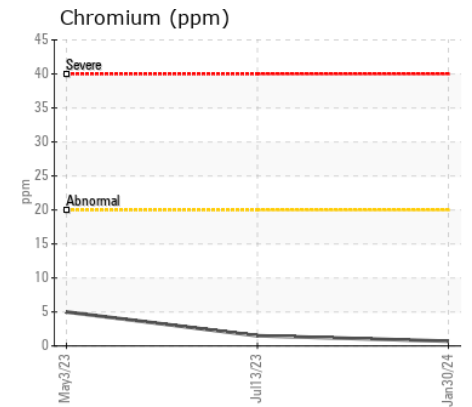
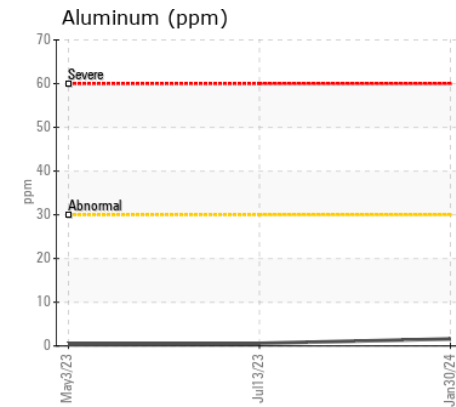
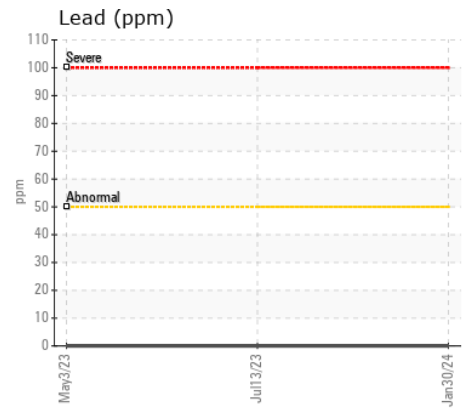
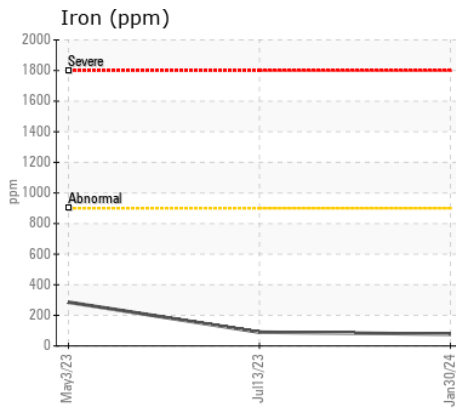
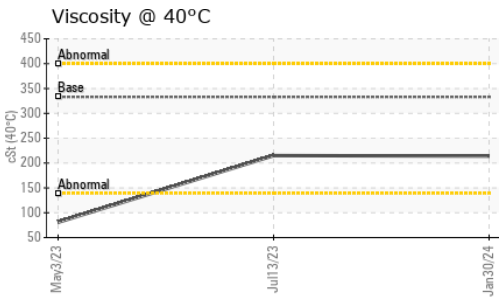
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<1	2	3
Potassium	ppm	ASTM D5185m	>20	3	2	7
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	2
Boron	ppm	ASTM D5185m	111	165	179	226
Barium	ppm	ASTM D5185m	0.0	1	0	0
Molybdenum	ppm	ASTM D5185m	0.9	3	3	6
Manganese	ppm	ASTM D5185m	0.0	2	4	11
Magnesium	ppm	ASTM D5185m	39	11	10	4
Calcium	ppm	ASTM D5185m	93	256	308	984
Phosphorus	ppm	ASTM D5185m	920	1046	1149	1387
Zinc	ppm	ASTM D5185m	104	121	141	427
Sulfur	ppm	ASTM D5185m	20179	26795	34133	24645
Visc @ 40°C	cSt	ASTM D445	333	214	215	▲ 80.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP379717 **Received** : 01 Feb 2024
Lab Number : 06077216 **Diagnosed** : 02 Feb 2024
Unique Number : 10859307 **Diagnostician** : Wes Davis
Test Package : MOB 1

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 US 33314
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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)