



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[SW1028121 ODDONETTO]
Machine Id
VOLVO A40G 340471
Component
Front Axle
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP430501	VCP316312	---
Sample Date		Client Info		29 Dec 2023	15 Jul 2021	---
Machine Age	hrs	Client Info		8301	7149	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	72	50	---
Chromium	ppm	ASTM D5185m	>20	1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>30	2	<1	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>150	2	<1	---
Tin	ppm	ASTM D5185m	>20	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

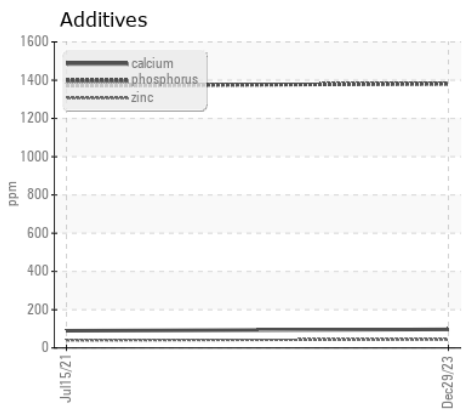
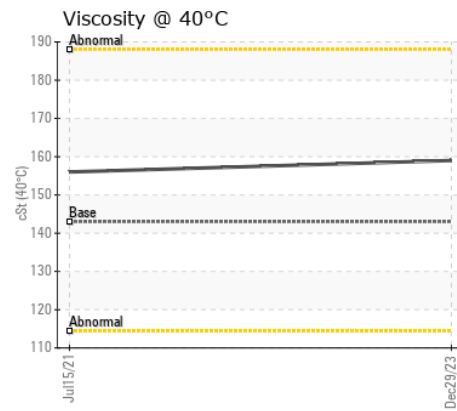
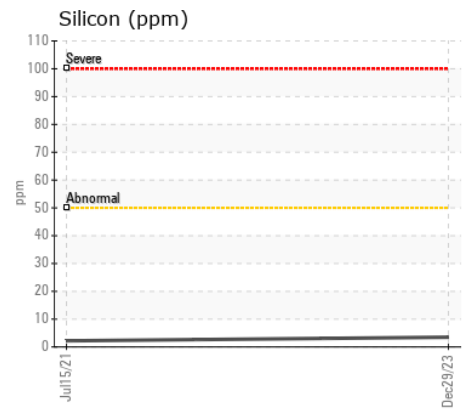
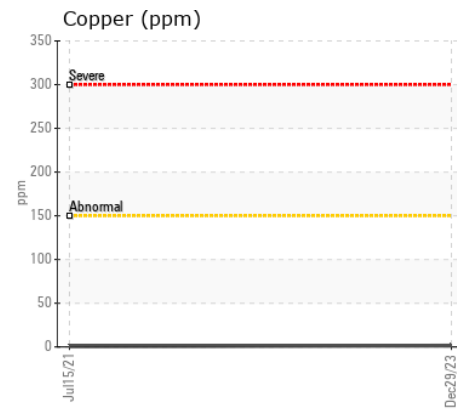
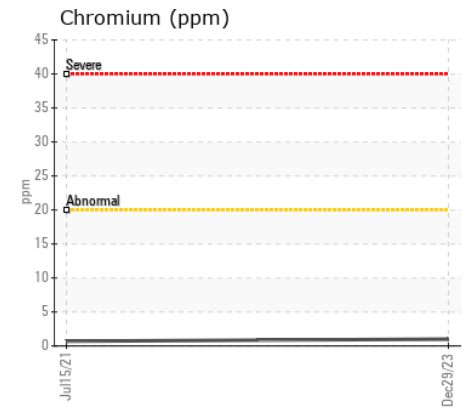
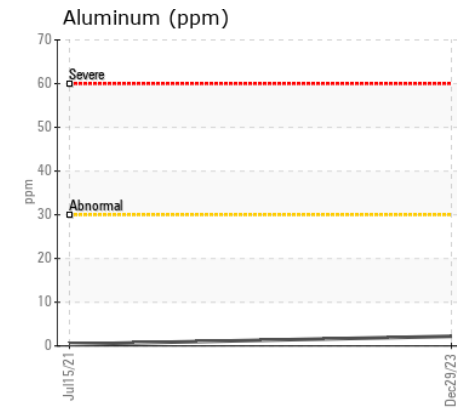
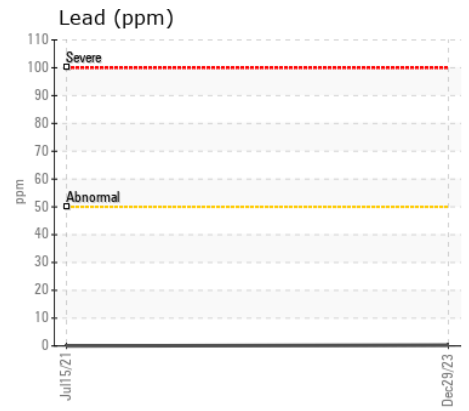
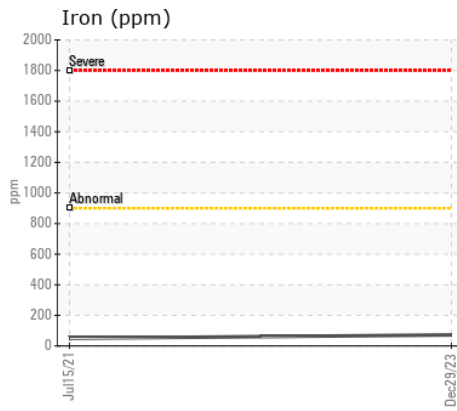
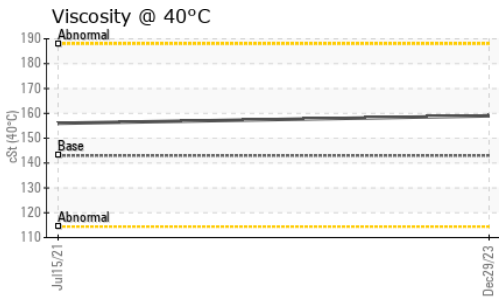
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	2	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	0	3	---
Boron	ppm	ASTM D5185m	400	194	249	---
Barium	ppm	ASTM D5185m	200	8	0	---
Molybdenum	ppm	ASTM D5185m	12	3	2	---
Manganese	ppm	ASTM D5185m		6	4	---
Magnesium	ppm	ASTM D5185m	12	13	13	---
Calcium	ppm	ASTM D5185m	150	97	90	---
Phosphorus	ppm	ASTM D5185m	1650	1381	1372	---
Zinc	ppm	ASTM D5185m	125	44	40	---
Sulfur	ppm	ASTM D5185m	22500	32066	24396	---
Visc @ 40°C	cSt	ASTM D445	143	159	▲ 156	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP430501 **Received** : 08 Jan 2024
Lab Number : 06054369 **Diagnosed** : 09 Jan 2024
Unique Number : 10820318 **Diagnostician** : Wes Davis
Test Package : MOB 1

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com

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)

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