



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[9571]
Machine Id
VOLVO A30G 742561
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP413786	VCP340163	VCP274738
Sample Date		Client Info		27 Sep 2023	06 Dec 2021	09 Jun 2020
Machine Age	hrs	Client Info		4083	2060	344
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	25	37	16
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	4	6	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	2
Aluminum	ppm	ASTM D5185m	>50	20	33	9
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>225	24	43	8
Tin	ppm	ASTM D5185m	>10	6	9	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

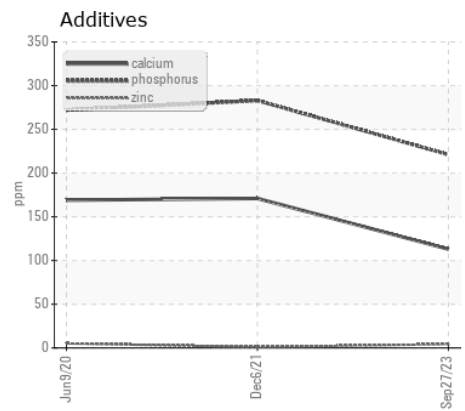
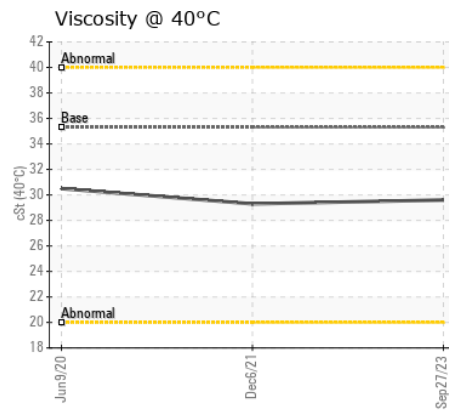
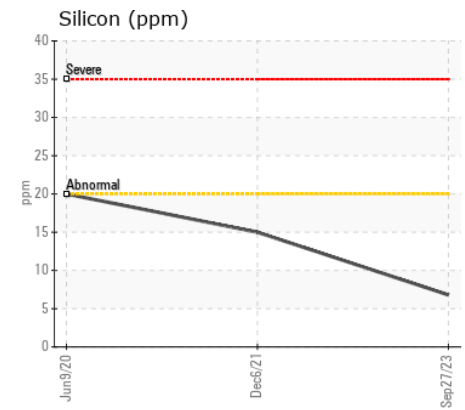
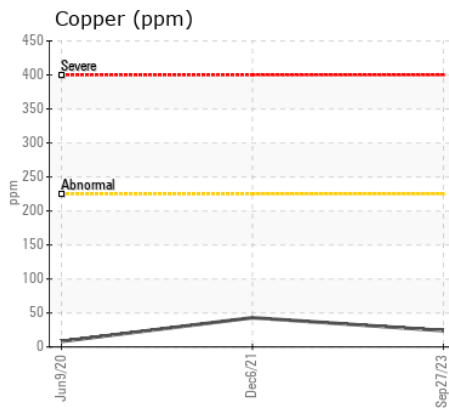
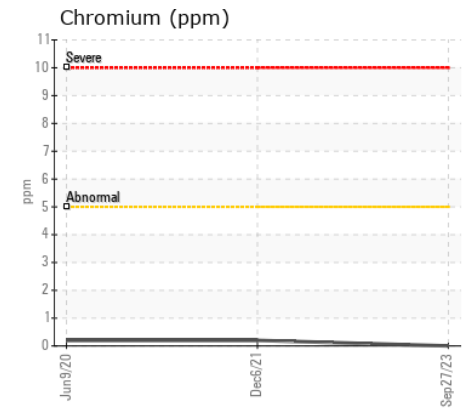
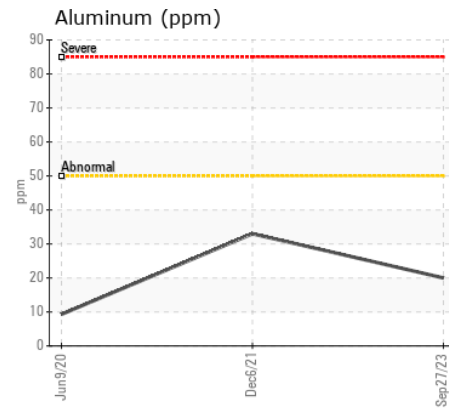
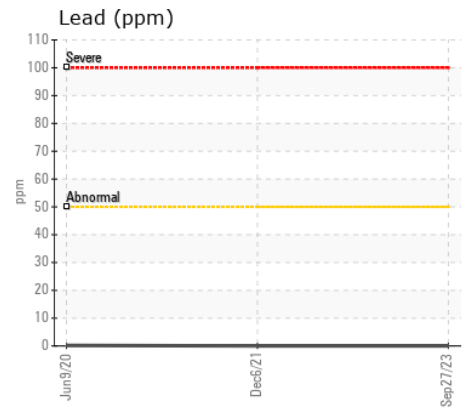
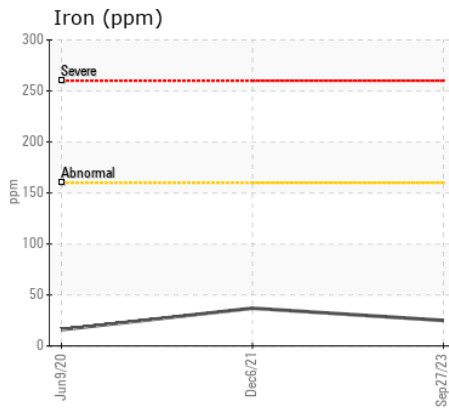
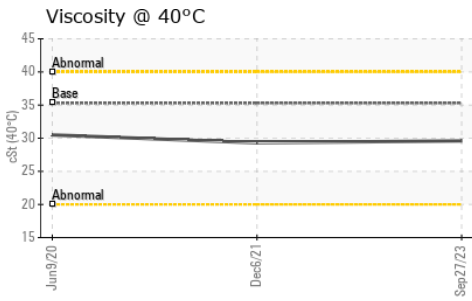
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	7	15	20
Potassium	ppm	ASTM D5185m	>20	1	4	4
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	VLITE
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	8	5
Boron	ppm	ASTM D5185m	187	80	78	97
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	0
Manganese	ppm	ASTM D5185m	0.0	2	5	2
Magnesium	ppm	ASTM D5185m	6.8	2	<1	0
Calcium	ppm	ASTM D5185m	215	113	171	169
Phosphorus	ppm	ASTM D5185m	445	221	283	272
Zinc	ppm	ASTM D5185m	56	4	1	5
Sulfur	ppm	ASTM D5185m	1336	1514	1347	1016
Visc @ 40°C	cSt	ASTM D445	35.3	29.6	29.3	30.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP413786

Lab Number : 05969960

Unique Number : 10681910

Test Package : MOBCE

Received : 04 Oct 2023

Tested : 05 Oct 2023

Diagnosed : 09 Oct 2023 - Don Baldrige

PLEASANT EXCAVATING COMPANY INC

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CLARKSBURG, MD

US 20871

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F:

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)