



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A30G 742603
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001201	VCP340153	---
Sample Date		Client Info		08 Apr 2024	17 Jan 2022	---
Machine Age	hrs	Client Info		4012	1990	---
Oil Age	hrs	Client Info		2022	0	---
Filter Age	hrs	Client Info		1000	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	39	44	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	7	10	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>50	33	39	---
Lead	ppm	ASTM D5185m	>50	<1	<1	---
Copper	ppm	ASTM D5185m	>225	42	66	---
Tin	ppm	ASTM D5185m	>10	9	12	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

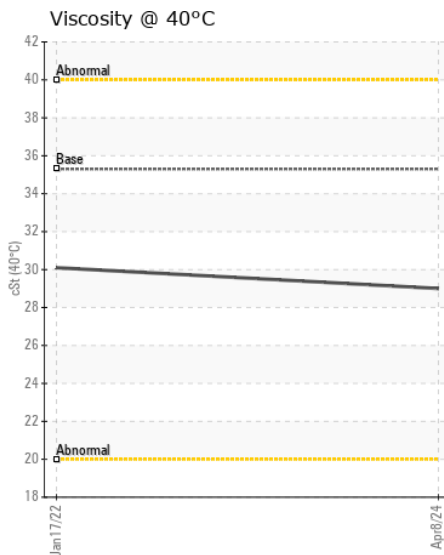
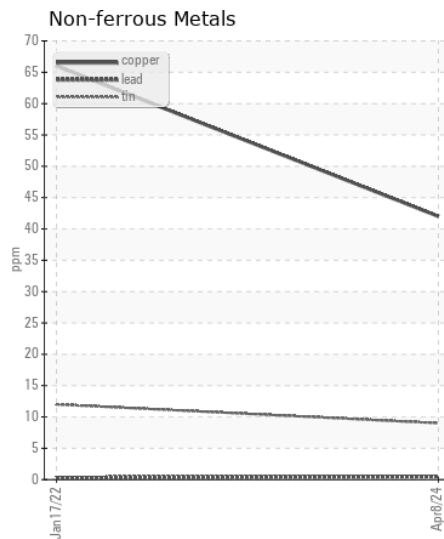
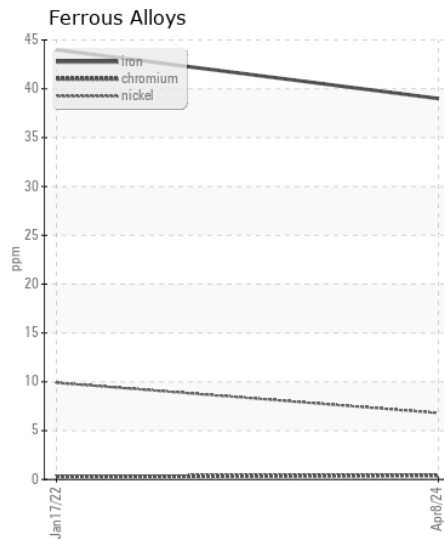
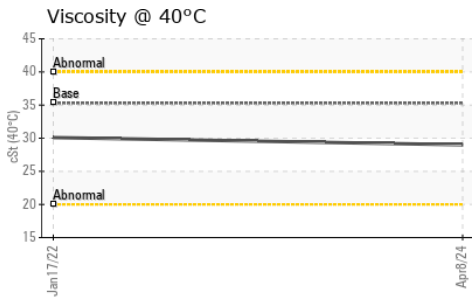
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	14	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	8	---
Boron	ppm	ASTM D5185m	187	88	88	---
Barium	ppm	ASTM D5185m	0.0	0	<1	---
Molybdenum	ppm	ASTM D5185m	0.0	2	<1	---
Manganese	ppm	ASTM D5185m	0.0	2	5	---
Magnesium	ppm	ASTM D5185m	6.8	6	<1	---
Calcium	ppm	ASTM D5185m	215	195	141	---
Phosphorus	ppm	ASTM D5185m	445	267	275	---
Zinc	ppm	ASTM D5185m	56	35	7	---
Sulfur	ppm	ASTM D5185m	1336	1788	1177	---
Visc @ 40°C	cSt	ASTM D445	35.3	29.0	30.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001201
Lab Number : 06147836
Unique Number : 10977914
Test Package : CONST

Received : 12 Apr 2024
Tested : 15 Apr 2024
Diagnosed : 16 Apr 2024 - Don Baldrige

PLEASANT EXCAVATING COMPANY INC
 24024 FREDERICK ROAD
 CLARKSBURG, MD
 US 20871

Contact: H TRENT
 HTRENT@PLEASANTS.ORG

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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