



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[DAVID GERAY]
Machine Id
VOLVO G970 41848
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		VCP401109	VCP412779	VCE185401
Sample Date		Client Info		21 Sep 2023	21 Aug 2023	17 Oct 2019
Machine Age	hrs	Client Info		0	0	10257
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal. The wear metal levels do not reflect the cause of the reported noise.

Iron	ppm	ASTM D5185m	>160	31	35	7
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	2	1
Lead	ppm	ASTM D5185m	>50	<1	0	1
Copper	ppm	ASTM D5185m	>225	2	0	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

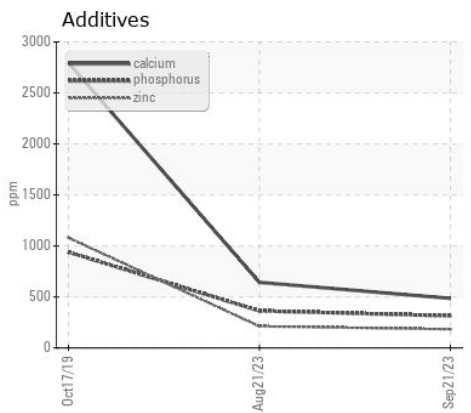
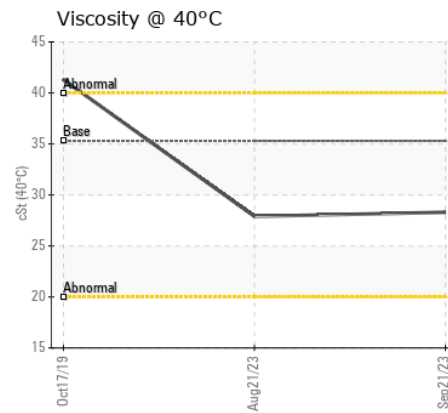
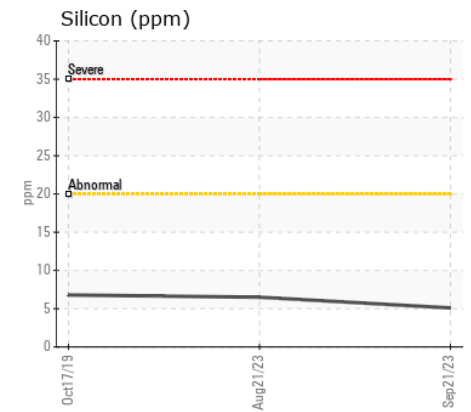
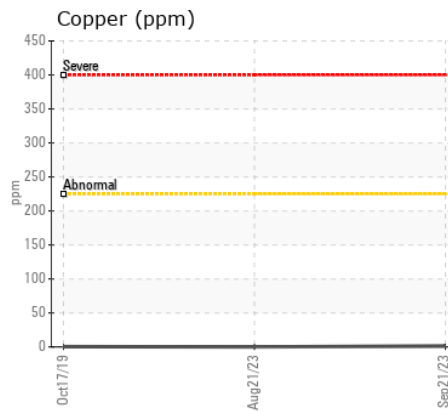
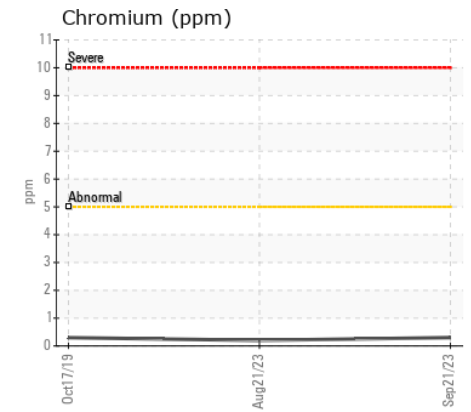
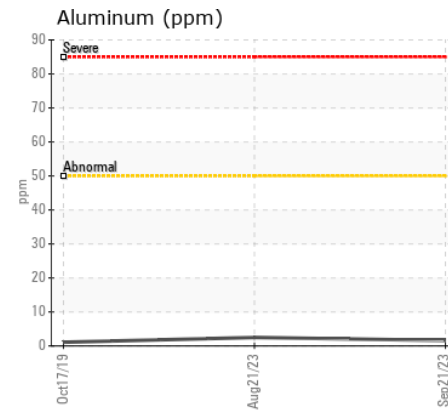
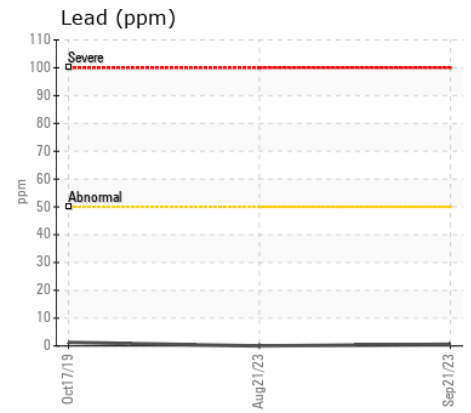
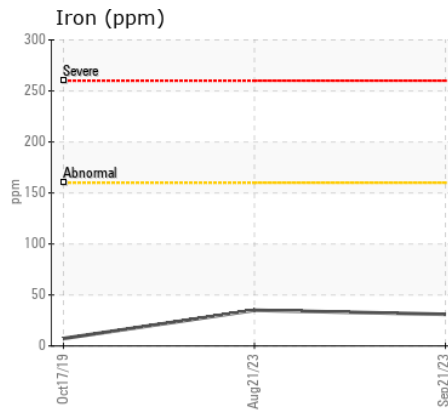
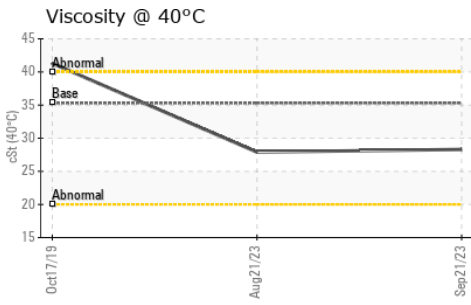
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	5	6	7
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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		<1	2	3
Boron	ppm	ASTM D5185m	187	84	87	61
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	3	0	11
Manganese	ppm	ASTM D5185m	0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	6.8	35	10	49
Calcium	ppm	ASTM D5185m	215	486	643	2795
Phosphorus	ppm	ASTM D5185m	445	314	363	939
Zinc	ppm	ASTM D5185m	56	183	212	1080
Sulfur	ppm	ASTM D5185m	1336	1965	2494	2712
Visc @ 40°C	cSt	ASTM D445	35.3	28.3	27.9	41.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP401109
Lab Number : 05961527
Unique Number : 10662740
Test Package : MOB 1

Received : 26 Sep 2023
Tested : 27 Sep 2023
Diagnosed : 27 Sep 2023 - Doug Bogart

403 - ASCENDUM MACHINERY INC - FARGO
 3739 38TH ST SW, SUITE E
 FARGO, ND
 US 58104
 Contact: JESSE SCHEELE
 jesse.scheele@ascendummachinery.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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