



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A40G 341239
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Moderate concentration of visible dirt/debris present in the fluid.

FLUID CONDITION

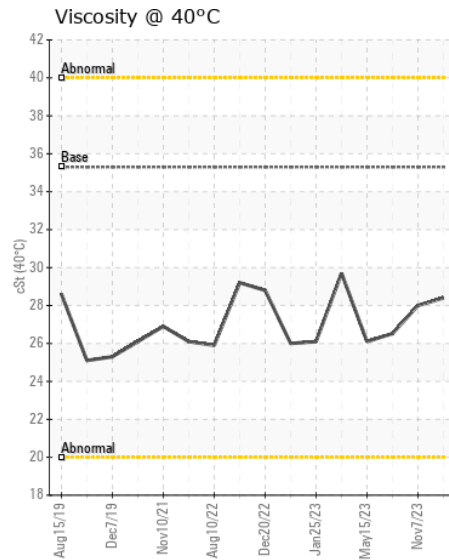
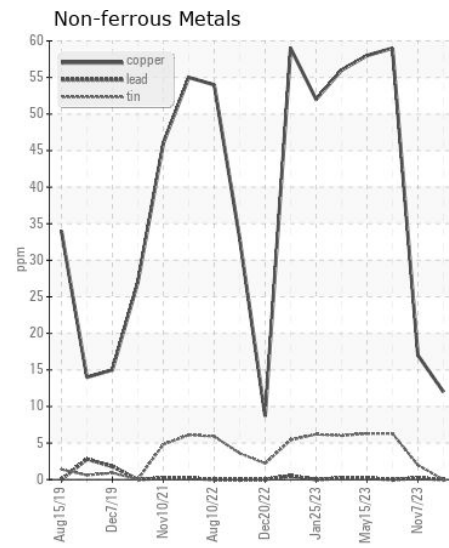
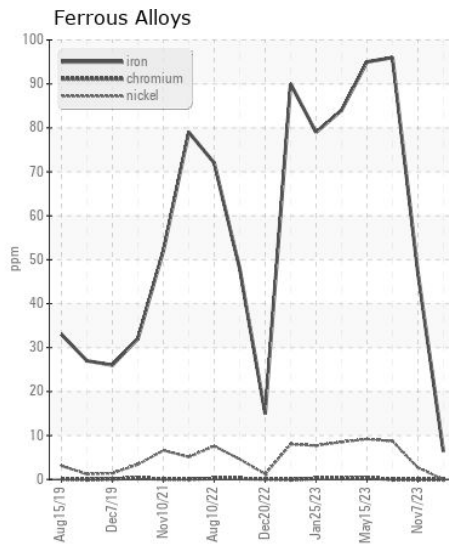
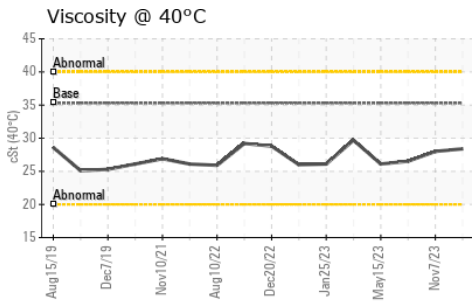
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011166	VCP390445	VCP421401
Sample Date		Client Info		18 Jun 2024	07 Nov 2023	23 Aug 2023
Machine Age	hrs	Client Info		14163	13841	13390
Oil Age	hrs	Client Info		1000	0	0
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185m	>160	6	47	96
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	3	9
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	5	18	46
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>225	12	17	59
Tin	ppm	ASTM D5185m	>10	0	2	6
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	12	▲ 36	14
Potassium	ppm	ASTM D5185m	>20	5	2	5
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		5	4	11
Boron	ppm	ASTM D5185m	187	75	92	61
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	0	0	<1
Manganese	ppm	ASTM D5185m	0.0	2	1	2
Magnesium	ppm	ASTM D5185m	6.8	0	2	0
Calcium	ppm	ASTM D5185m	215	70	79	96
Phosphorus	ppm	ASTM D5185m	445	178	190	179
Zinc	ppm	ASTM D5185m	56	0	0	2
Sulfur	ppm	ASTM D5185m	1336	2066	1893	2060
Visc @ 40°C	cSt	ASTM D445	35.3	28.4	28.0	26.52



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011166
Lab Number : 06220228
Unique Number : 11098425
Test Package : CONST
Received : 25 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 27 Jun 2024 - Jonathan Hester

HANSON SOUTHEAST
 NC HWY 117
 ERWIN, NC
 US 28339
 Contact: Service Manager

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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