



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Ascendum Machinery/Livesville, NC

Machine Id
VOLVO L70H L70HV624391

Component
Transmission (Auto)

Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0009508	ASC0005266	ASC0000735
Sample Date		Client Info		06 Jun 2024	29 Mar 2024	26 Sep 2023
Machine Age	hrs	Client Info		8740	8192	6543
Oil Age	hrs	Client Info		548	4726	2462
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	6	26	32
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	3	<1	<1
Lead	ppm	ASTM D5185m	>50	3	0	<1
Copper	ppm	ASTM D5185m	>225	6	7	7
Tin	ppm	ASTM D5185m	>10	<1	0	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

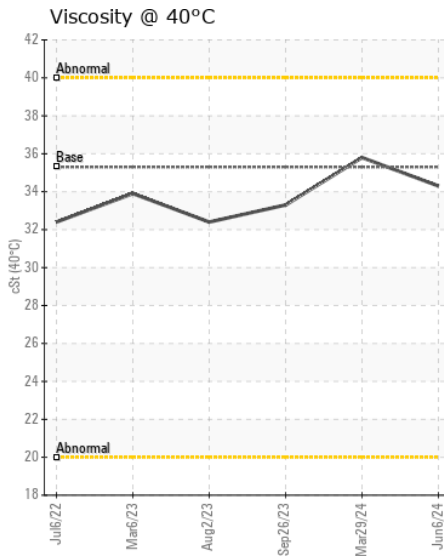
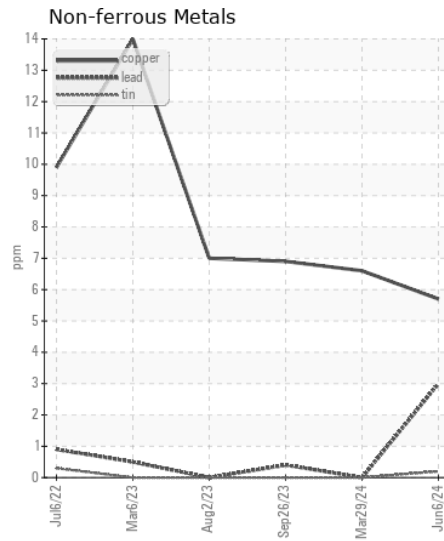
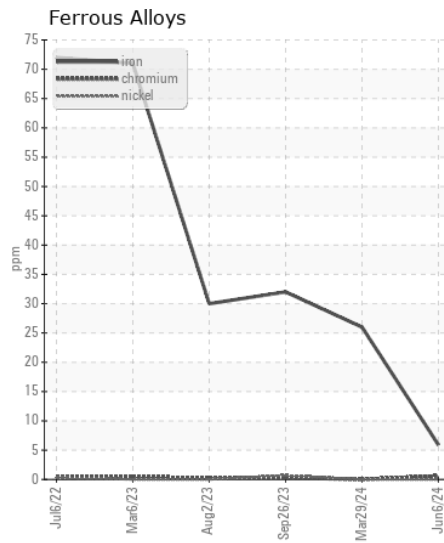
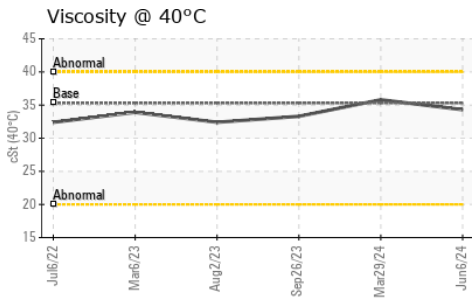
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	2	4	5
Potassium	ppm	ASTM D5185m	>20	1	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	3	1
Boron	ppm	ASTM D5185m	187	41	24	35
Barium	ppm	ASTM D5185m	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	0	<1
Manganese	ppm	ASTM D5185m	0.0	<1	<1	1
Magnesium	ppm	ASTM D5185m	6.8	7	4	5
Calcium	ppm	ASTM D5185m	215	144	68	78
Phosphorus	ppm	ASTM D5185m	445	289	315	265
Zinc	ppm	ASTM D5185m	56	253	300	235
Sulfur	ppm	ASTM D5185m	1336	2538	2393	2113
Visc @ 40°C	cSt	ASTM D445	35.3	34.3	35.8	33.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0009508
Lab Number : 06210592
Unique Number : 11083456
Test Package : CONST

Received : 14 Jun 2024
Tested : 17 Jun 2024
Diagnosed : 17 Jun 2024 - Angela Borella

OLDCASTLE MATERIALS
 900 ASHWOOD PARKWAY SUITE 600
 ATLANTA, GA
 US 30338

Contact: BRIAN MELLO
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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)