



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Ascendum Machinery
Machine Id
VOLVO L120H RL71 (S/N L120HV632898)
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (12 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011127	ASC0010255	ASC0006228
Sample Date		Client Info		16 Jun 2024	31 Mar 2024	20 Jan 2024
Machine Age	hrs	Client Info		5572	5015	4495
Oil Age	hrs	Client Info		1572	1015	495
Filter Age	hrs	Client Info		1572	1015	495
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	65	67	68
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>50	6	7	3
Lead	ppm	ASTM D5185m	>50	<1	1	<1
Copper	ppm	ASTM D5185m	>225	12	11	11
Tin	ppm	ASTM D5185m	>10	<1	2	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

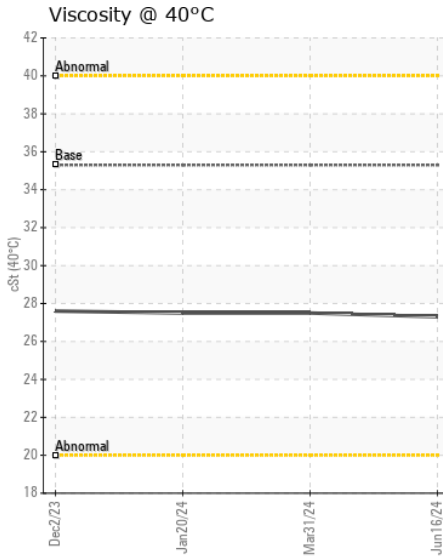
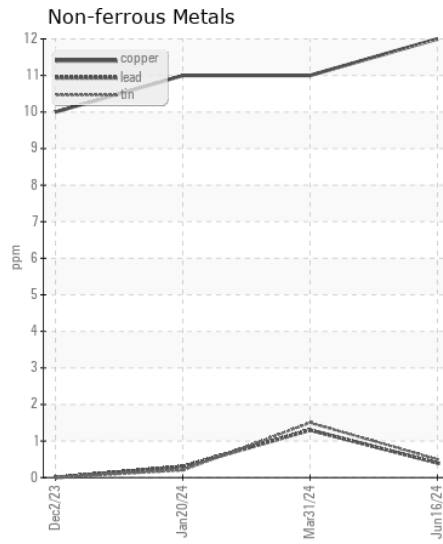
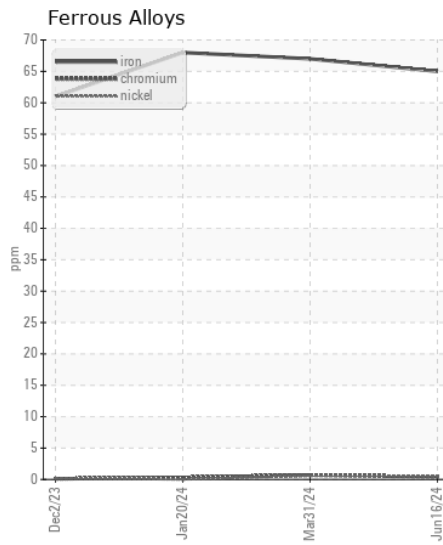
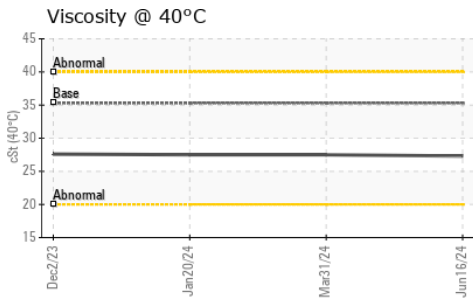
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	12	12	12
Potassium	ppm	ASTM D5185m	>20	2	2	2
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		4	4	0
Boron	ppm	ASTM D5185m	187	67	67	71
Barium	ppm	ASTM D5185m	0.0	5	2	2
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	6	6	6
Magnesium	ppm	ASTM D5185m	6.8	3	3	2
Calcium	ppm	ASTM D5185m	215	79	87	78
Phosphorus	ppm	ASTM D5185m	445	196	213	158
Zinc	ppm	ASTM D5185m	56	22	18	14
Sulfur	ppm	ASTM D5185m	1336	1677	1755	1711
Visc @ 40°C	cSt	ASTM D445	35.3	27.3	27.5	27.5



Certificate L2367

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

Sample No. : ASC0011127

Lab Number : 06215186

Unique Number : 11088050

Test Package : CONST

Received : 19 Jun 2024

Tested : 20 Jun 2024

Diagnosed : 20 Jun 2024 - Wes Davis

HILCO TRANSPORT

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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)