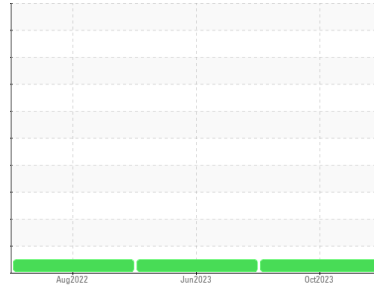




Area
Ascendum Machinery
 Machine Id
VOLVO L180H 43 (S/N 5598)
 Component
Transmission (Auto)
 Fluid
VOLVO AT 102 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	ASC0005318	ASC0000138	VCP0003082	
Sample Date	Client Info	23 Oct 2023	06 Jun 2023	11 Aug 2022	
Machine Age	hrs	Client Info	5507	4039	1002
Oil Age	hrs	Client Info	1468	4039	1002
Oil Changed	Client Info	Not Chngd	Changed	Not Chngd	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>160	30	79	44
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	0	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>225	6	16	6
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m	187	81	74	77
Barium	ppm	ASTM D5185m	0.0	0	3	0
Molybdenum	ppm	ASTM D5185m	0.0	0	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<1	3	2
Magnesium	ppm	ASTM D5185m	6.8	<1	0	2
Calcium	ppm	ASTM D5185m	215	72	75	74
Phosphorus	ppm	ASTM D5185m	445	184	193	180
Zinc	ppm	ASTM D5185m	56	10	8	15
Sulfur	ppm	ASTM D5185m	1336	1840	2119	2279

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>20	4	7	6
Sodium	ppm	ASTM D5185m		2	4	<1
Potassium	ppm	ASTM D5185m	>20	<1	1	2

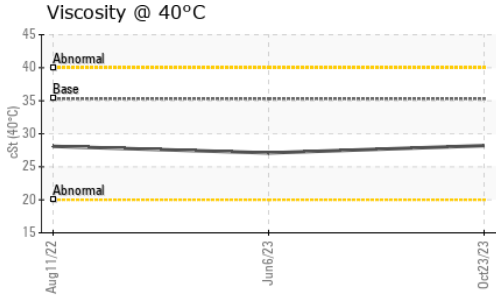
VISUAL method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES method limit/base current history1 history2

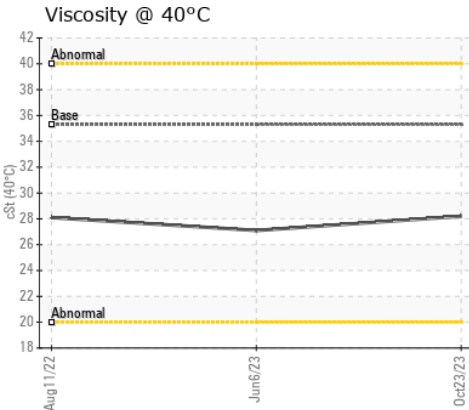
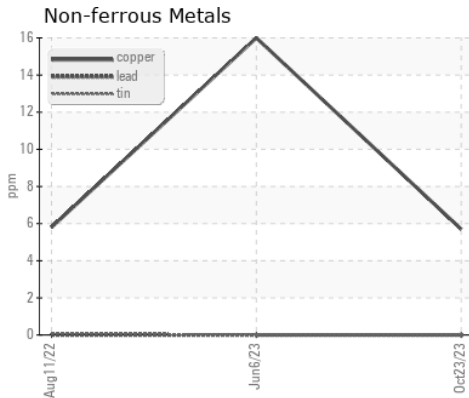
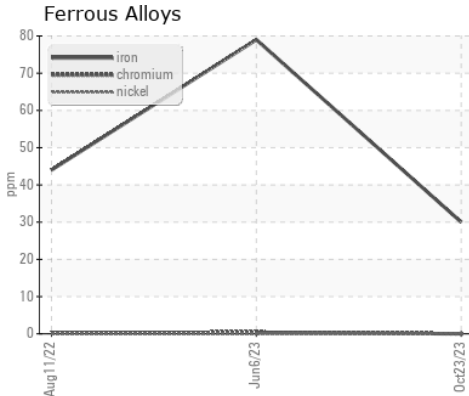
Visc @ 40°C	cSt	ASTM D445	35.3	28.2	27.1	28.1
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OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0005318 **Received** : 14 Nov 2023
Lab Number : **06007312** **Diagnosed** : 16 Nov 2023
Unique Number : 10741074 **Diagnostician** : Sean Felton
Test Package : CONST

EGGER WOOD PRODUCTS
 300 EGGER PARKWAY
 LINWOOD, NC
 US 27299
 Contact: HELMUT THOMAY
 helmut.thomay@egger.com
 T:
 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)