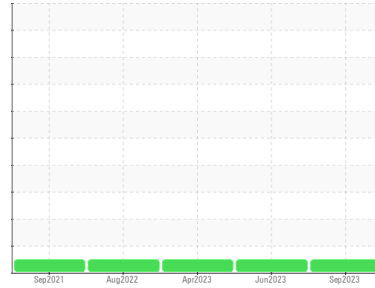




Area
Ascendum Machinery
 Machine Id
VOLVO L180H 14 (S/N 5269)
 Component
Transmission (Auto)
 Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)



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 oil.

Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	ASC0000730	ASC0000195	VCP0006668	
Sample Date	Client Info	25 Sep 2023	15 Jun 2023	07 Apr 2023	
Machine Age	hrs	Client Info	13007	12056	11033
Oil Age	hrs	Client Info	951	8564	3020
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	13	43	43
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	<1	3	0
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>225	6	10	7
Tin	ppm	ASTM D5185m	>10	<1	0	0
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	99	83	78
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	1	1	2
Magnesium	ppm	ASTM D5185m	6.8	4	1	4
Calcium	ppm	ASTM D5185m	215	83	108	92
Phosphorus	ppm	ASTM D5185m	445	204	206	193
Zinc	ppm	ASTM D5185m	56	9	14	0
Sulfur	ppm	ASTM D5185m	1336	1908	2266	1768

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>20	4	3	4
Sodium	ppm	ASTM D5185m		5	2	2
Potassium	ppm	ASTM D5185m	>20	2	2	0

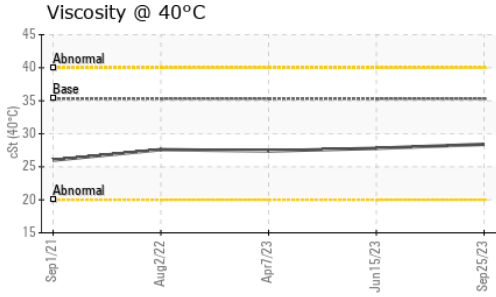
VISUAL method limit/base current history1 history2

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

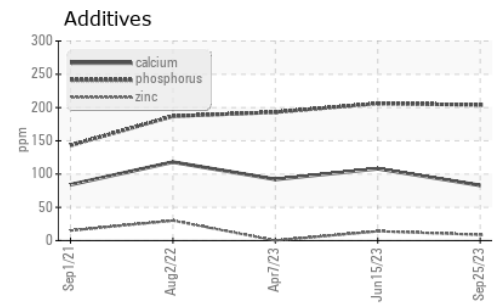
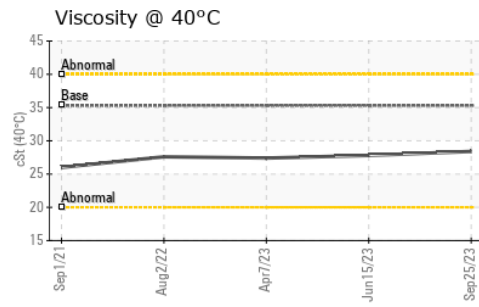
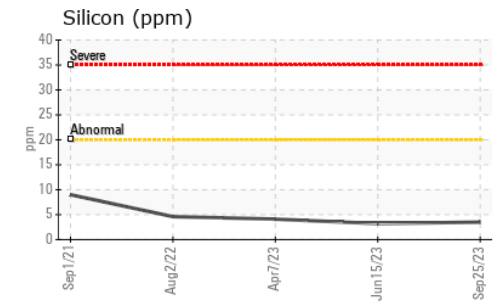
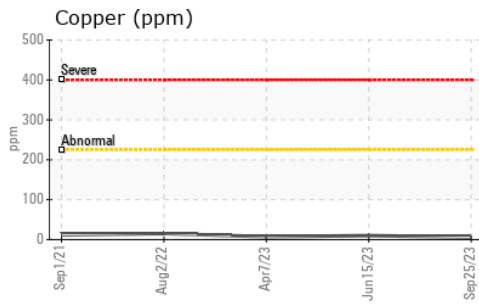
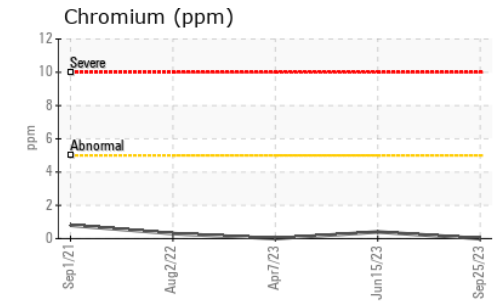
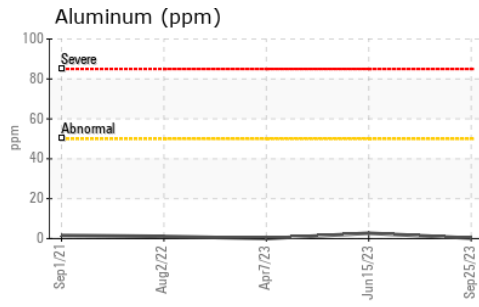
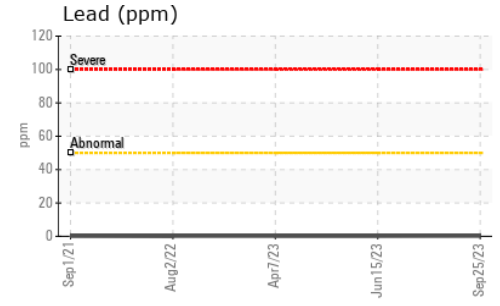
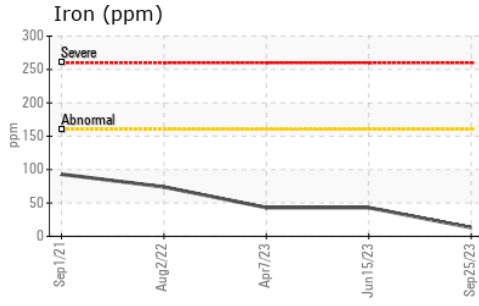
Visc @ 40°C	cSt	ASTM D445	35.3	28.4	27.8	27.4
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OIL ANALYSIS REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0000730 **Received** : 28 Sep 2023
Lab Number : 05963863 **Diagnosed** : 01 Oct 2023
Unique Number : 10670414 **Diagnostician** : Don Baldrige
Test Package : MOBCE

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

Certificate L2367
 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)