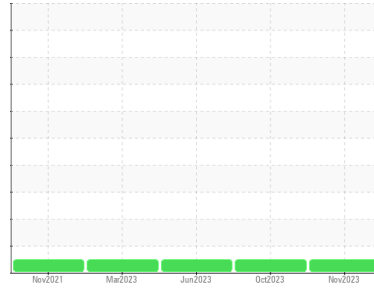




Area  
**Ascendum Machinery**  
 Machine Id  
**VOLVO L180H 15 (S/N 5263)**  
 Component  
**Transmission (Auto)**  
 Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)**



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		<b>ASC0005326</b>	ASC0005019	ASC0000185
Sample Date	Client Info		<b>07 Nov 2023</b>	09 Oct 2023	14 Jun 2023
Machine Age	hrs	Client Info	<b>10011</b>	9558	8015
Oil Age	hrs	Client Info	<b>8468</b>	1543	4475
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>43</b>	36	80
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >50	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >225	<b>4</b>	4	10
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 187	<b>83</b>	80	79
Barium	ppm	ASTM D5185m 0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0.0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m 0.0	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m 6.8	<b>0</b>	2	2
Calcium	ppm	ASTM D5185m 215	<b>79</b>	109	131
Phosphorus	ppm	ASTM D5185m 445	<b>185</b>	194	207
Zinc	ppm	ASTM D5185m 56	<b>17</b>	24	41
Sulfur	ppm	ASTM D5185m 1336	<b>1860</b>	2061	2277

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>3</b>	4	6
Sodium	ppm	ASTM D5185m	<b>2</b>	0	3
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	<1

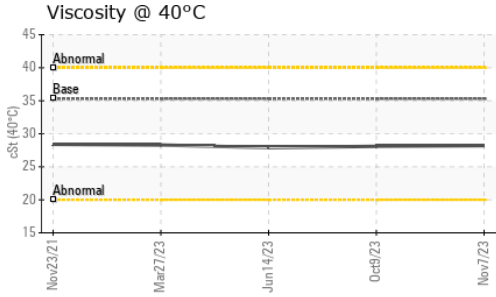
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

FLUID PROPERTIES

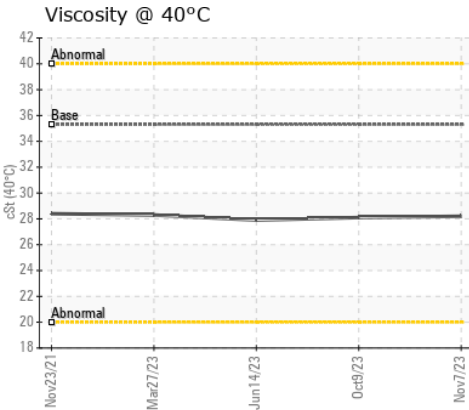
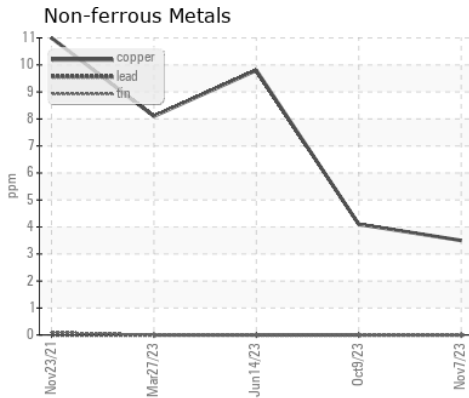
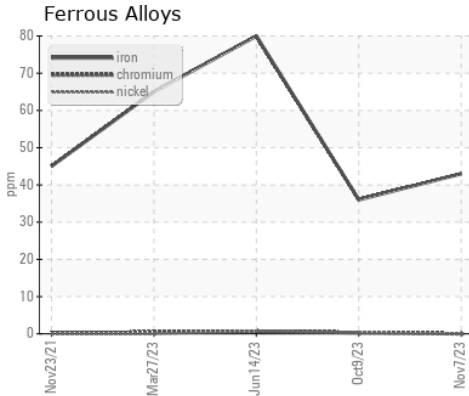
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 35.3	<b>28.2</b>	28.1	27.9

# 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.** : ASC0005326     **Received** : 14 Nov 2023  
**Lab Number** : 06007296     **Diagnosed** : 16 Nov 2023  
**Unique Number** : 10741058     **Diagnostician** : Sean Felton  
**Test Package** : CONST

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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