

## Ascendum Machinery/500 Hour CSA VOLVO L150H 2359 (S/N L150HV7301)

Rear Axle Fluid TRANSAXLE OIL SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

## CONTAMINATION

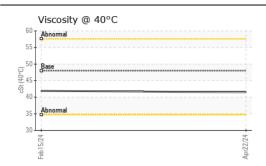
There is no indication of any contamination in the oil.

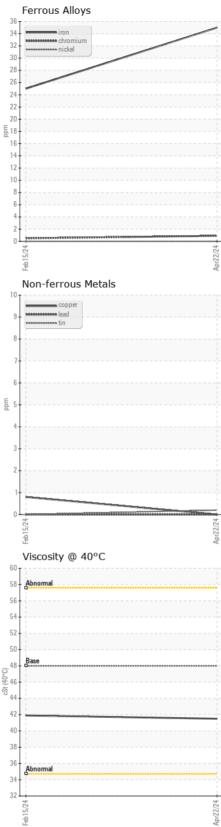
## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010184	ASC0008612	
Sample Date		Client Info		22 Apr 2024	15 Feb 2024	
Machine Age	hrs	Client Info		1050	516	
Oil Age	hrs	Client Info		1050	516	
Filter Age	hrs	Client Info		1050	516	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
			500	05	05	
Iron	ppm	ASTM D5185m	>500	35	25	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	. 00	1	0	
Aluminum	ppm	ASTM D5185m	>30	0	2	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>120	0	<1	
Tin	ppm	ASTM D5185m	>20	<1	0	
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>50	10	13	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	10 <1	13 5	
Potassium		ASTM D5185m	>20	<1	5	  
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	<1 NEG	5 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	<1 NEG NONE	5 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	<1 NEG NONE NONE	5 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE	<1 NEG NONE NONE NONE	5 NEG NONE NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	<1 NEG NONE NONE NONE NORML	5 NEG NONE NONE NONE NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	<1 NEG NONE NONE NORML NORML NEG	5 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG	5 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	<1 NEG NONE NONE NORML NORML NEG <1 115	5 NEG NONE NONE NORML NORML NEG 0 138	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG <1 115 2	5 NEG NONE NONE NORML NORML NEG 0 138 <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2	5 NEG NONE NONE NORML NORML NEG 0 138 <1 3	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 160 10 25	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2 2 2	5 NEG NONE NONE NORML NORML NEG 0 138 <1 3 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 160 10 25	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2 2 2 2 2 12	5 NEG NONE NONE NORML NORML NEG 0 138 <1 3 1 8	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 160 10 25 12 3750	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2 2 2 2 2 12 3630	5 NEG NONE NONE NORML NORML NEG 0 138 <1 3 (1 3 1 8 3667	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 160 10 25 12 3750 1200	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2 2 2 2 2 12 3630 1213	5 NEG NONE NONE NORML NORML NEG 0 138 <1 3 (1 8 3667 1185	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 160 10 25 12 3750 1200 1500	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2 2 2 2 12 3630 1213 1499	5 NEG NONE NONE NORML NORML NORML 0 138 <1 3 (1 3 1 8 3667 1185 1552	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 160 10 25 12 3750 1200	<1 NEG NONE NONE NORML NORML NEG <1 115 2 2 2 2 2 2 12 3630 1213	5 NEG NONE NONE NORML NORML NEG 0 138 <1 3 (1 8 3667 1185	

Contact/Location: KAREN NEWPORT - GANBURNC





**G S MATERIALS INC** PO BOX 1335 BURLINGTON, NC : 25 Apr 2024 - Wes Davis US 27216 Contact: KAREN NEWPORT Gsmaterials@windstream.net T: (919)499-9322 F: (919)499-2097



Test Package : CONST 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)

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

Received

Diagnosed

Tested

: 24 Apr 2024

: 25 Apr 2024

Laboratory

Sample No.

Lab Number : 06159481

Unique Number : 10994904

: ASC0010184

Contact/Location: KAREN NEWPORT - GANBURNC

Page 2 of 2