

Machine Id

onen

VOLVO A40G 341239 Transmission (Auto) VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

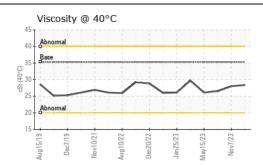
Moderate concentration of visible dirt/debris present in the fluid.

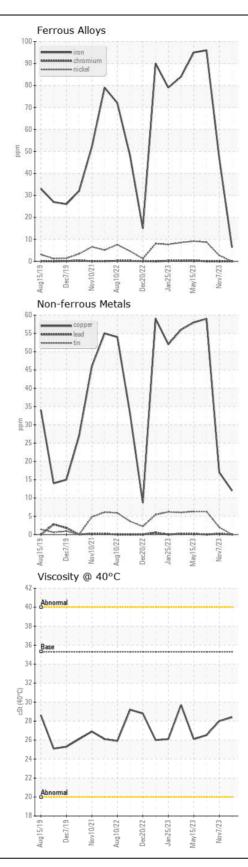
	CON	IDITION
FLUID	CON	

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011166	VCP390445	VCP421401
Sample Date		Client Info		18 Jun 2024	07 Nov 2023	23 Aug 2023
Machine Age	hrs	Client Info		14163	13841	13390
Oil Age	hrs	Client Info		1000	0	0
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>160	6	47	96
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	3	9
Titanium	ppm	ASTM D5185m	20	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	5	18	46
Lead		ASTM D5185m	>50	0	<1	0
-	ppm	ASTM D5185m		12	17	59
Copper Tin	ppm	ASTM D5185m	>225	12 0		59 6
	ppm		>10		2	
Vanadium White Metal	ppm	ASTM D5185m		0	0	<1
	scalar	*Visual	NONE	NONE		NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	12	4 36	14
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	12 5	▲ 36 2	14 5
Potassium		ASTM D5185m	>20	5	2	5
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	5 NEG	2 NEG	5 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	5 NEG NONE	2 NEG MODER	5 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	5 NEG NONE MODER	2 NEG MODER NONE	5 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	5 NEG NONE MODER NONE	2 NEG MODER 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 >0.1 NONE NONE NONE	5 NEG NONE MODER NONE NORML	2 NEG MODER NONE NONE	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	>20 >0.1 NONE NONE NORML NORML	5 NEG NONE MODER NONE NORML NEG	2 NEG MODER 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	>20 >0.1 NONE NONE NORML NORML >0.1	5 NEG NONE MODER NORML NORML NEG 5	2 NEG NONE NONE NORML NORML NEG	5 NEG NONE NONE NORML NORML NEG 11
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 ASTM D5185m	>20 >0.1 NONE NONE NORML NORML	5 NEG NONE NORE NORML NORML NEG 5 75	2 NEG MODER NONE NORML NORML NEG	5 NEG NONE NONE NORML NORML NEG
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 *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	5 NEG NONE MODER NORML NORML NEG 5	2 NEG NONE NONE NORML NORML NEG 4	5 NEG NONE NONE NORML NORML NEG 11 61
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 ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	5 NEG NONE MODER NORML NORML NORML S 5 75 0	2 NEG NONE NONE NORML NORML NEG 4 92 0	5 NEG NONE NONE NORML NORML NEG 11 61 0
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 >0.1 NONE NORML NORML >0.1 187 0.0	5 NEG NONE NONE NORML NORML NEG 5 75 0 0	2 NEG NONE NONE NORML NORML NEG 92 0 0	5 NEG NONE NONE NORML NORML NEG 11 61 0 <1
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 ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NORME NORML >0.1 187 0.0 0.0 0.0	5 NEG NONE NONE NORML NORML NEG 5 75 0 0 0 2	2 NEG NONE NONE NORML NORML NEG 4 92 0 0 0 1	5 NEG NONE NONE NORML NORML NEG 11 61 0 < <1 2
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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8	5 NEG NONE NONE NORML NORML NEG 5 75 0 0 0 2 2 0	2 NEG NONE NONE NORML NORML NEG 92 0 0 0 1 2	5 NEG NONE NONE NORML NORML NEG 11 61 0 < 1 2 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum 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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8 215	5 NEG NONE MODER NORML NORML NEG 5 75 0 2 0 2 0 2 0 2	2 NEG NONE NONE NORML NORML NEG 4 92 0 0 0 1 1 2 2 79	5 NEG NONE NONE NORML NORML NEG 11 61 0 < <1 2 0 96
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 ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 187 0.0 0.0 0.0 6.8 215 445 56	5 NEG NONE NONE NORML NORML NEG 5 75 0 0 2 0 2 0 2 0 70 178	2 NEG NONE NONE NORML NORML NEG 4 92 0 0 0 1 2 2 79 190	5 NEG NONE NONE NORML NORML NEG 11 61 0 (41 2 0 0 96 179
Potassium Water Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar 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 >0.1 NONE NONE NORML >0.1 187 0.0 0.0 0.0 6.8 215 445	5 NEG NONE NONE NORML NORML NEG 5 5 75 0 0 2 0 0 2 0 0 2 178 0 178	2 NEG NONE NONE NORML NORML NEG 92 0 0 0 0 1 2 79 190 190 0	5 NEG NONE NONE NORML NORML NEG 11 61 0 (<1 2 0 0 96 179 2

Contact/Location: Service Manager - HANERW





HANSON SOUTHEAST NC HWY 117 ERWIN, NC US 28339 Contact: Service Manager

Centificate 12367 Test Package : CONST To discuss this sample report, contact Customer Service at 1-800-237-1369.

: ASC0011166

* - 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

: 25 Jun 2024

: 26 Jun 2024

: 27 Jun 2024 - Jonathan Hester

Laboratory

Sample No.

Lab Number : 06220228

Unique Number : 11098425

Contact/Location: Service Manager - HANERW Page 2 of 2