

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



VOLVO A45G 2364 (S/N 752175)

Bogie/Center Axle

{not provided} (--- 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.

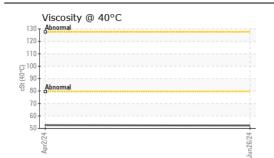
FLUID CONDITION

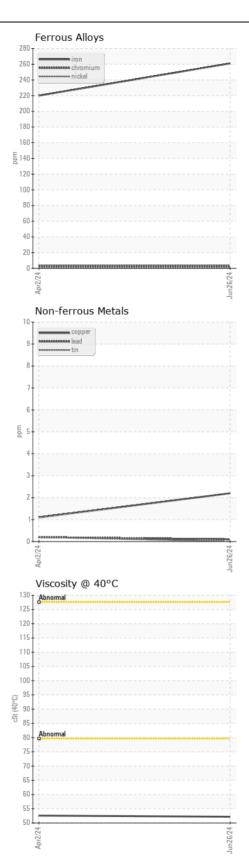
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011373	ASC0010297	
Sample Date		Client Info		26 Jun 2024	02 Apr 2024	
Machine Age	hrs	Client Info		1017	503	
Oil Age	hrs	Client Info		1017	503	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		N/A	N/A	
Sample Status			NORMAL	ABNORMAL		
Iron	ppm	ASTM D5185m	>900	261	220	
Chromium	ppm	ASTM D5185m	>20	3	3	
Nickel	ppm	ASTM D5185m	>10	1	1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>30	3	2	
Lead	ppm	ASTM D5185m	>50	<1	<1	
Copper	ppm	ASTM D5185m	>150	2	1	
Tin	ppm	ASTM D5185m	>20	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Jouran	VISUAI	NONE	NONE	NONL	
Silicon	ppm	ASTM D5185m	>50	5	5	
Silicon Potassium		ASTM D5185m ASTM D5185m	>50 >20	5 4	5 5	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	5 4 NEG	5 5 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	5 4 NEG MODER	5 5 NEG NONE	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE	5 4 NEG MODER NONE	5 5 NEG NONE MODER	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE NONE	5 4 NEG MODER NONE NONE	5 5 NEG NONE MODER NONE	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML	5 4 NEG MODER NONE NONE NORML	5 5 NEG NONE MODER NONE NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NONE NORML NORML	5 NEG NONE MODER NONE NORML NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML	5 4 NEG MODER NONE NONE NORML	5 5 NEG NONE MODER NONE NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NONE NORML NORML	5 NEG NONE MODER NONE NORML NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NONE NORML NORML NEG	5 NEG NONE MODER NONE NORML NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NONE NORML NEG 4	5 NEG NONE MODER NONE NORML NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251	5 NEG NONE MODER NORML NORML NEG 4 281	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251 1	5 NEG NONE NONE NONE NORML NORML NEG 4 281	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251 1 8	5 NEG NONE MODER NORML NORML NEG 4 281 <1 8	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251 1 8 9	5 NEG NONE NONE NORML NORML NEG 4 281 281 3 8 10	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251 1 8 9 9 2	5 NEG NONE NONE NONE NORML NORML NEG 281 281 8 281 10 10	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251 1 8 9 2 2 131	5 NEG NONE NONE NORML NORML NEG 4 281 281 4 281 3 10 1 1 113	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORE NORML	5 4 NEG MODER NONE NORML NORML NEG 4 251 1 8 9 2 131 2388	5 NEG NONE NONE NORML NORML NEG 281 281 281 3 10 1 1 113 2357	

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Contact/Location: KAREN NEWPORT - GANBURNC





G S MATERIALS INC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : ASC0011373 Received : 27 Jun 2024 PO BOX 1335 Lab Number : 06222631 Tested : 28 Jun 2024 BURLINGTON, NC Unique Number : 11100828 Diagnosed : 28 Jun 2024 - Wes Davis US 27216 Test Package : CONST Contact: KAREN NEWPORT Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Gsmaterials@windstream.net * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)499-9322 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)499-2097

Contact/Location: KAREN NEWPORT - GANBURNC

Page 2 of 2