

Machine Id VOLVO A30G #320 (S/N A30G752088) Component Middle Left 6WD Hub Fluid SAE 30W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

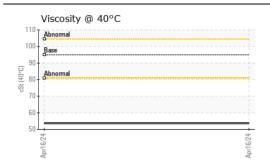
There is no indication of any contamination in the oil.

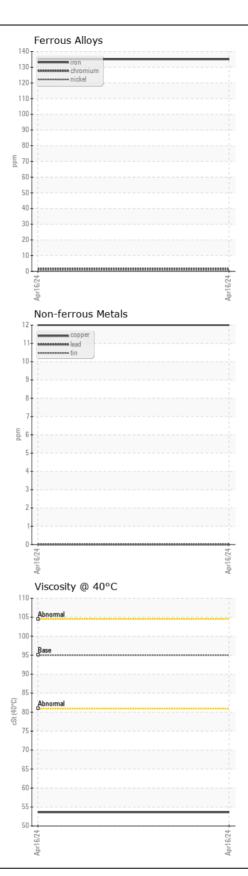
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TLY0001876		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		2959		
Oil Age	hrs	Client Info		2959		
Filter Age	hrs	Client Info		2959		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Not Changd		
Sample Status				NORMAL		
			000	105		
Iron	ppm	ASTM D5185m	>200	135		
Chromium	ppm	ASTM D5185m	>10	2		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium Silver	ppm	ASTM D5185m ASTM D5185m		0		
	ppm			0		
Aluminum	ppm	ASTM D5185m		<1		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		12		
Tin	ppm	ASTM D5185m		0		
Vanadium White Metal	ppm	ASTM D5185m *Visual	NONE	NONE		
Yellow Metal	scalar					
	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	NONE	9		
			>20			
Silicon	ppm	ASTM D5185m		9		
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20	9 <1		
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >0.2	9 <1 NEG		
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >0.2 NONE	9 <1 NEG LIGHT		
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	9 <1 NEG LIGHT NONE		
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE NONE	9 <1 NEG LIGHT NONE 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	>20 >0.2 NONE NONE NONE NORML	9 <1 NEG LIGHT NONE NONE 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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE 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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2		
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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223		
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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0		
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 ASTM D5185m	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0 1		
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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0 1 4		
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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0 1 4 4 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm 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	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0 1 4 0 1 4 0 190		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0 1 4 0 190 2143		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm scalar scalar scalar scalar scalar ppm ppm 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 ASTM D5185m	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML 2 223 0 1 223 0 1 4 0 190 2143 88		
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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORE NORML	9 <1 NEG LIGHT NONE NORML NORML NEG 2 223 0 1 4 0 190 2143		

Submitted By: BRANDY BADING





GAINES & COMPANY : 24 Apr 2024 - Sean Felton

Lab Number : 06154940 Unique Number : 10990363 Certificate L2367

Test Package : CONST Contact: BRANDY BADING To discuss this sample report, contact Customer Service at 1-800-237-1369. bbading@gainesandco.com * - 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

: 19 Apr 2024

: 22 Apr 2024

Report Id: GAIREIMAR [WUSCAR] 06154940 (Generated: 04/24/2024 09:23:59) Rev: 1

Laboratory

Sample No.

: TLY0001876

Submitted By: BRANDY BADING Page 2 of 2

112 WESTMINISTER RD REISTERSTOWN, MD US 21136

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F: