

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

RECOMMENDATION

Resample at the next service interval to monitor.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

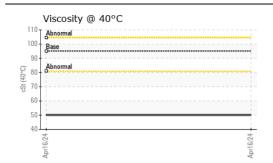
There is no indication of any contamination in the oil.

# 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		TLY0001878		
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	447		
Iron	ppm	ASTM D5185m	>200	117		
Chromium	ppm	ASTM D5185m	>10	2		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium Silver	ppm	ASTM D5185m		0		
••.	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		11		
Tin	ppm	ASTM D5185m		0		
Vanadium White Metal	ppm	ASTM D5185m *Visual				
	scalar		NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m		2		
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20	2 1		
			>20 >0.2			
Potassium		ASTM D5185m		1		
Potassium Water	ppm	ASTM D5185m WC Method	>0.2	1 NEG		
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>0.2 NONE	1 NEG MODER		
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>0.2 NONE NONE	1 NEG MODER NONE		
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	1 NEG MODER NONE NONE	 	   
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NONE NORML	1 NEG MODER 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	>0.2 NONE NONE NORML NORML	1 NEG MODER 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	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3		
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	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3 252		
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 ASTM D5185m	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3 252 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	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3 252 0 2		
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	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3 252 0 2 2 6		
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 ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3 252 0 2 2 6 6 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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	1 NEG MODER NONE NORML NORML NEG 3 252 0 252 0 2 5 6 0 124		
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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	1 NEG NONE NONE NORML NORML NEG 3 252 0 252 0 2 6 0 124 2137		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	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	>0.2 NONE NONE NORML NORML	1 NEG NONE NONE NORML NORML NEG 3 252 0 2 2 6 0 2 2 6 0 124 2137 55		
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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML	1 NEG NONE NONE NORML NORML NEG 3 252 0 252 0 2 6 0 124 2137		

Submitted By: BRANDY BADING



Ferrous Alloys 120 110 nickel 100 ٩n 80 70 mdo 60 50 40 30 20 0 pr16/2 Non-ferrous Metals 10 lead Viscosity @ 40°C 110 105 100 95 90 8 CSt (40°C) 22 22 65 55 50 45 Apr16/24. Apr16/24



Lab Number : 06154929 Tested REISTERSTOWN, MD : 22 Apr 2024 Unique Number : 10990352 Diagnosed : 24 Apr 2024 - Sean Felton US 21136 Test Package : CONST Contact: BRANDY BADING Certificate L2367 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

: 19 Apr 2024

Laboratory

Sample No.

: TLY0001878

Submitted By: BRANDY BADING Page 2 of 2

**GAINES & COMPANY** 

Т:

F:

112 WESTMINISTER RD