

Machine Id

VOLVO A45G 342655 Component Bogie/Center Axle Fluid VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION	
Resample at the next service interval	to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

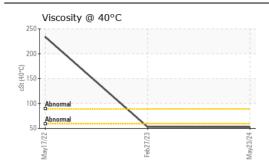
There is no indication of any contamination in the oil.

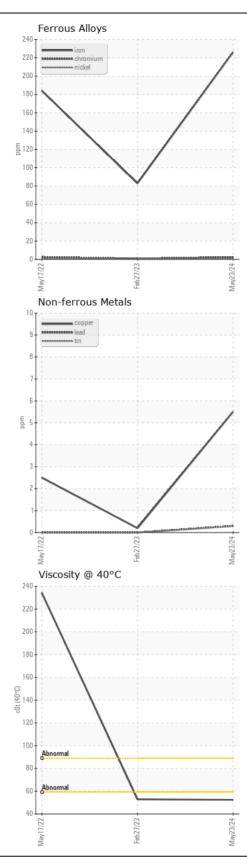
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number	UOIVI	Client Info	LIIIIUADII	ML0001803	VCP401289	VCP347526
•		Client Info			27 Feb 2023	
Sample Date Machine Age	bro	Client Info		23 May 2024 8058	5355	17 May 2022 4217
	hrs	Client Info				
Oil Age	hrs			4276 0	1300	0
Filter Age	hrs	Client Info		-	0 Not Changed	0 Changed
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>900	226	83	184
Chromium	ppm	ASTM D5185m	>20	2	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>30	2	<1	1
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>150	6	<1	2
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Valley, Matel		*1/2 1	NONE			NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon		ASTM D5185m	>50	NONE 9	NONE 2	6 NONE
	ppm	ASTM D5185m				
Silicon	ppm		>50	9	2	6
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>50 >20	9 2	2 0	6 <1
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	9 2 NEG	2 0 NEG	6 <1 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	9 2 NEG MODER	2 0 NEG NONE	6 <1 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	9 2 NEG MODER NONE	2 0 NEG NONE NONE	6 <1 NEG NONE NONE
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	9 2 NEG MODER NONE NONE	2 0 NEG NONE NONE NONE	6 <1 NEG NONE NONE NONE 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	9 2 NEG MODER NONE NONE NORML	2 0 NEG NONE NONE NONE NORML	6 <1 NEG NONE NONE 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 NONE NORML NORML	9 2 NEG MODER NONE NONE NORML NORML	2 0 NEG NONE NONE NONE NORML NORML	6 <1 NEG NONE NONE NORE 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 NONE NORML NORML	9 2 NEG MODER NONE NONE NORML NEG	2 0 NEG NONE NONE NORML NORML NEG	6 <1 NEG NONE NONE NORE NORML
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 NONE NORML NORML	9 2 NEG MODER NONE NONE NORML NORML NEG 3	2 0 NEG NONE NONE NORML NORML NEG 2	6 <1 NEG NONE 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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>50 >20 >0.2 NONE NONE NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180	2 0 NEG NONE NONE NORML NORML NEG 2 273	6 <1 NEG NONE NONE NORML NORML NEG 1 166
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 NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180 0	2 0 NEG NONE NONE NORML NORML NEG 2 273 0	6 <1 NEG NONE NONE NORML NORML NEG 1 166 0
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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180 0 <1	2 0 NEG NONE NONE NORML NORML NEG 2 273 0 <1	6 <1 NEG NONE NONE NORML NORML NEG 1 166 0 2
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	>50 >20 >0.2 NONE NONE NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180 0 <1 5	2 0 NEG NONE NONE NORML NORML NEG 2 273 0 273 0 <1 3	6 <1 NEG NONE NONE NORML NORML NEG 1 166 0 2 7
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 NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180 0 <1 5 1	2 0 NEG NONE NONE NORML NORML NEG 2 273 0 273 0 <1 3 3 7	6 <1 NEG NONE NONE NORML NORML NEG 1 166 0 2 7 <1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum 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	>50 >20 >0.2 NONE NONE NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180 0 <1 5 1 1 49	2 0 NEG NONE NONE NORML NORML NEG 273 0 273 0 <1 3 7 37	6 <1 NEG NONE NONE NORML NORML NEG 1 166 0 2 7 < 2 7 <1 109
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 NONE NORML NORML	9 2 NEG MODER NONE NORML NORML NEG 3 180 0 <1 5 1 1 49 2331	2 0 NEG NONE NONE NORML NORML NEG 2 273 0 273 0 273 0 37 37 37	6 <1 NEG NONE NONE NORML NORML NEG 1 166 0 2 7 <1 109 1124

Submitted By: Service - Alex Anderson





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND Received : 29 May 2024 1345 MOUNTAIN ROAD Tested : 30 May 2024 GLEN ALLEN, VA Diagnosed : 31 May 2024 - Sean Felton US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)266-1611

Lab Number : 06194465 Unique Number : 11056588 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.

Laboratory

Sample No.

: ML0001803

Report Id: VOLVO8882 [WUSCAR] 06194465 (Generated: 05/31/2024 16:21:15) Rev: 1

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