

Machine Id

VOLVO A30G 742123 Component Bogie/Center Axle

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

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vv	

All component wear rates are normal.

CONTAMINATION

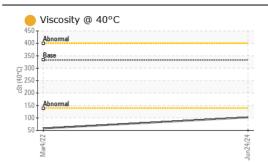
There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Teet		Mathaal	Line H / A has	0	Listend	Lister 0
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0003142	VCP345635	
Sample Date		Client Info		24 Jun 2024	04 Mar 2022	
Machine Age	hrs	Client Info		5000	3566	
Oil Age	hrs	Client Info		5000	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	ATTENTION	
Iron	ppm	ASTM D5185m	>900	121	341	
Chromium	ppm	ASTM D5185m	>20	2	7	
Nickel	ppm	ASTM D5185m	>10	<1	3	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>30	<1	<1	
Lead	ppm	ASTM D5185m	>50	0	<1	
Copper	ppm	ASTM D5185m	>150	14	57	
Tin	ppm	ASTM D5185m	>20	<1	2	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	MODER	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	maa	ASTM D5185m	>50	7	4	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	7 5	4 0	
	ppm ppm			-		
Potassium		ASTM D5185m	>20	5	0	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	5 NEG	0 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE	5 NEG NONE	0 NEG NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE	5 NEG NONE NONE	0 NEG NONE NONE	
Potassium Water Silt Debris	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE NONE	5 NEG NONE NONE NONE	0 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE NORML	5 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	5 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	5 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	 >20 >0.2 NONE NORME NORML >0.2 1111 	5 NEG NONE NONE NORML NORML NEG 2 269	0 NEG NONE NONE NORML NORML NEG 4	
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	 >20 >0.2 NONE NONE NORML NORML >0.2 1111 0.0 	5 NEG NONE NONE NORML NORML NEG 2 269 0	0 NEG NONE NONE NORML NORML NEG 4 170 0	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	 >20 >0.2 NONE NORME NORML >0.2 1111 	5 NEG NONE NONE NORML NORML NEG 2 269	0 NEG NONE NONE NORML NORML NEG 4	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >20 >0.2 >0.2 NONE NORML NORML >0.2 1111 0.0 0.9 	5 NEG NONE NONE NORML NORML NEG 2 269 0 3	0 NEG NONE NONE NORML NORML NEG 4 170 0 4	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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	 >20 >0.2 NONE NORML >0.2 1111 0.0 0.9 0.0 	5 NEG NONE NONE NORML NORML NEG 2 269 0 3 11	0 NEG NONE NONE NORML NORML NEG 4 170 0 4 15	
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	 >20 >0.2 NONE NONE NORML NORML >0.2 1111 0.0 0.9 0.0 39 	5 NEG NONE NONE NORML NORML NEG 2 269 0 3 11 2	0 NEG NONE NONE NORML NORML NEG 4 170 0 4 15 <1	
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 ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >20 >0.2 >0.2 NONE NONE NORML NORML >0.2 1111 0.0 0.9 0.0 39 93 	5 NEG NONE NONE NORML NORML NEG 2 269 0 3 11 2 2 279	0 NEG NONE NONE NORML NORML NEG 4 170 0 4 15 <1 15 <1 141	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 >0.2 >0.2 NONE NORML NORML >0.2 111 0.0 0.9 0.0 39 93 920 104 	5 NEG NONE NONE NORML NORML NEG 2 269 0 3 11 2 279 1504	0 NEG NONE NONE NORML NORML NEG 4 170 0 4 15 <1 15 <1 141 1391	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	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 ASTM D5185m	 >20 >0.2 NONE NORME NORML >0.2 1111 0.0 0.9 0.0 39 93 920 	5 NEG NONE NONE NORML NORML NEG 2 269 0 3 11 2 279 1504 135	0 NEG NONE NONE NORML NORML NEG 4 170 0 4 15 <1 15 <1 141 1391 55	

Submitted By: Kendall Rhodes



Received

Diagnosed

Tested

160 - ASCENDUM MACHINERY INC - MILLS RIVER : WearCheck USA - 501 Madison Ave., Cary, NC 27513 215 FANNING FIELDS RD : 26 Jun 2024 MILLS RIVER, NC : 27 Jun 2024 : 28 Jun 2024 - Don Baldridge US 28759 Contact: BRANDON DRAKE brandon.drake@ascendummachinery.com T: 8(286)687-0620 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (828)687-0622

Certificate L2367

Laboratory

Sample No.

Lab Number : 06221698

Unique Number : 11099895

Test Package : CONST

: ASC0003142

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.

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