

Machine Id VOLVO EC220DL 210870 Component Swing Drive Fluid GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

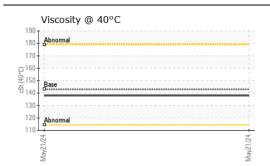
There is no indication of any contamination in the oil.

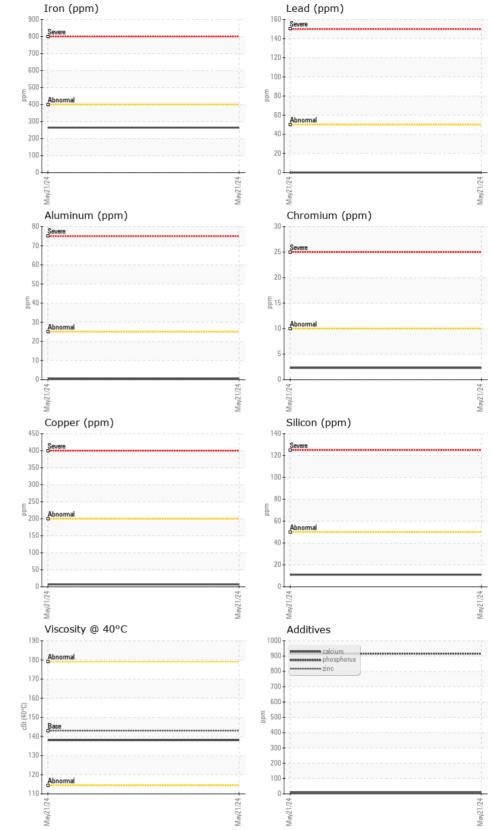
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP448087		
Sample Date		Client Info		21 May 2024		
Machine Age	hrs	Client Info		11800		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
			. 400	064		
Iron	ppm	ASTM D5185(m)	>400	264		
Chromium	ppm	ASTM D5185(m)	>10	2		
Nickel Titanium	ppm	ASTM D5185(m)	>10	0		
	ppm	ASTM D5185(m)		-		
Silver	ppm	ASTM D5185(m)	► OF	0		
Aluminum Lead	ppm	ASTM D5185(m)	>25 >50	<1 0		
	ppm	ASTM D5185(m)		-		
Copper	ppm	ASTM D5185(m)	>200	7		
Tin	ppm	ASTM D5185(m)	>10	0		
Vanadium White Metal	ppm	ASTM D5185(m) Visual*	NONE			
	scalar	Visual*	NONE	NONE NONE		
Yellow Metal	scalar	VISUAL				
Silicon	ppm	ASTM D5185(m)	>50	11		
Silicon	ppm	ASTM D5185(m)	>50	11		
Silicon Potassium	ppm	ASTM D5185(m) ASTM D5185(m)	>50 >20	11 0		
Silicon Potassium Water	ppm ppm	ASTM D5185(m) ASTM D5185(m) WC Method	>50 >20 >0.2	11 0 NEG		
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185(m) ASTM D5185(m) WC Method Visual*	>50 >20 >0.2 NONE	11 0 NEG NONE		
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual*	>50 >20 >0.2 NONE NONE	11 0 NEG NONE NONE		
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual*	>50 >20 >0.2 NONE NONE NONE	11 0 NEG NONE NONE NONE		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual*	>50 >20 >0.2 NONE NONE NONE NORML	11 0 NEG NONE NONE NONE NORML		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual*	>50 >20 >0.2 NONE NONE NONE NORML NORML >0.2	11 0 NEG NONE 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 D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* Visual*	>50 >20 >0.2 NONE NONE NORML NORML >0.2	11 0 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 ppm	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NORME NORML >0.2 >170 400 	11 0 NEG NONE NONE NORML NORML NEG <1 205		
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 D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>50 >20 >0.2 NONE NONE NORML NORML >0.2 >170 400 200	11 0 NEG NONE NONE NORML NORML NEG <1 205 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 D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NORME NORML >0.2 >170 400 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 0		
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 D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NORME NORML >0.2 >170 400 200 12 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 0 0 2		
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	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NONE NORML >0.2 >170 400 200 12 12 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 0 0 2 3		
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	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NORML NORML >0.2 >170 400 200 12 12 150 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 205 0 2 3 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 scalar ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NORME NORML >0.2 >1700 400 200 12 12 150 1650 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 205 0 0 2 3 10 916		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NONE NORML >0.2 >170 400 200 12 12 150 125 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 2 3 10 916 14		
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 scalar ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >50 >20 >0.2 NONE NORME NORML >0.2 >1700 400 200 12 12 150 1650 	11 0 NEG NONE NONE NORML NORML NEG <1 205 0 205 0 0 2 3 10 916		

Contact/Location: Philippe Sarrazin - SHEBAI





Sample No. Received : VCP448087 : 24 May 2024 Lab Number Tested : 02637533 : 24 May 2024 ISO 17025:2017 Accredited Laboratory Diagnosed Unique Number : 5786695 : 24 May 2024 - Wes Davis Test Package : MOB 1 To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

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CALA

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