

# WEARNORMALCONTAMINATIONNORMALFLUID CONDITIONNORMAL

#### Machine Id VOLVO EC480EL 314024 Component Right Swing Drive Fluid GEAR OIL SAE 80W140 (--- 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 80W140. Please confirm.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

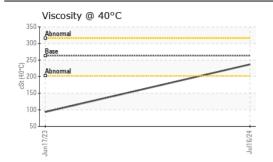
## FLUID CONDITION

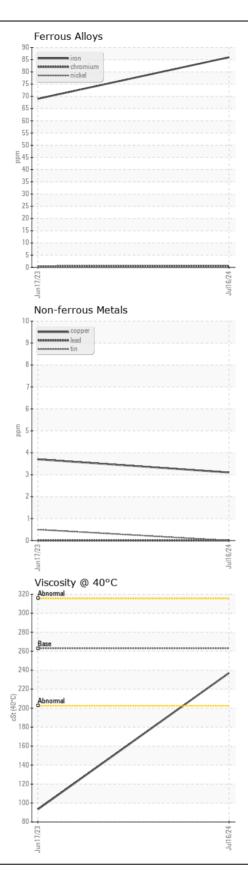
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP0008508	VCP411714	
Sample Date		Client Info		16 Jul 2024	17 Jun 2023	
Machine Age	hrs	Client Info		0	5076	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Filter Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	ATTENTION	
			400			
Iron	ppm	ASTM D5185m		86	69	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	05	0	0	
Aluminum	ppm	ASTM D5185m	>25	1	<1	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	3	4	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m	NONE	0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>50	4	3	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	4 <1	3 0	
				-	-	
Potassium		ASTM D5185m	>20	<1	0	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	<1 NEG	0 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	<1 NEG NONE	0 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	<1 NEG NONE NONE	0 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE NONE	<1 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	<1 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	<1 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	   
Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	<1 NEG NONE NONE NONE NORML NORML	0 NEG NONE NONE NONE NORML NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	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 NONE NORML >0.2	<1 NEG NONE NONE NORML NORML NEG <1 247	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 ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG <1 238	
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 ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG <1 247 0 3	0 NEG NONE NONE NORML NORML NEG <1 238 0 7	
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 ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG <1 247 0	0 NEG NONE NONE NORML NORML NEG <1 238 0	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 400 200 12	<1 NEG NONE NONE NORML NORML NEG <1 247 0 3 <1	0 NEG NONE NONE NORML NORML NEG <1 238 0 7 <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	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 ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 400 200 12	<1 NEG NONE NONE NORML NORML NEG <1 247 0 3 <1 247 0 3 <1 17	0 NEG NONE NONE NORML NORML NEG <1 238 0 7 <1 238	
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 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 NONE NONE NORML NORML >0.2 400 200 12 12	<1 NEG NONE NONE NORML NORML NEG <1 247 0 3 <1 247 0 3 <1 17 70	0 NEG NONE NONE NORML NORML NEG <1 238 0 7 <1 238 0 7 <1 238 0 1 238	
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 ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	<1 NEG NONE NONE NORML NORML NEG <1 247 0 3 <1 247 0 3 <1 17 70 11118	0 NEG NONE NONE NORML NORML NEG <1 238 0 238 0 7 <1 238 0 7 <1 24 119 1024	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum 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 NONE NORML >0.2 400 200 12 12 12 150 1650 125	<1 NEG NONE NONE NORML NORML NEG <1 247 0 3 <1 247 0 3 <1 17 70 1118 52	0 NEG NONE NONE NORML NORML NEG <1 238 0 7 <1 238 0 7 <1 24 119 1024 60	

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Submitted By: TECHNICIAN ACCOUNT





ALTA EQUIPMENT COMPANY : WearCheck USA - 501 Madison Ave., Cary, NC 27513 8750 PHILIPS HWY : 18 Jul 2024 JACKSONVILLE, FL : 19 Jul 2024 : 19 Jul 2024 - Wes Davis US 32256 Contact: TECHNICIAN ACCOUNT catherine.anastasio@wearcheck.com T: F: (904)737-1260



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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

Diagnosed

Tested

Laboratory

Sample No.

Lab Number : 06240762

Unique Number : 11129596

: VCP0008508

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