

Machine Id

VOLVO EC750E 314256

Left Swing Drive

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

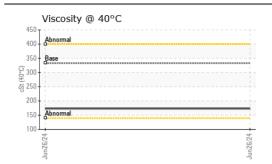
There is no indication of any contamination in the oil.

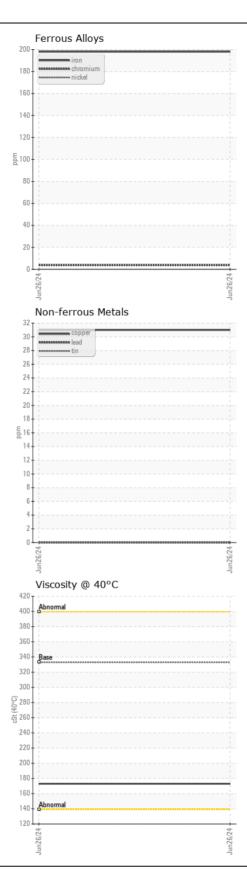
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002201		
Sample Date		Client Info		26 Jun 2024		
Machine Age	days	Client Info		472		
Oil Age	days	Client Info		472		
Filter Age	days	Client Info		472		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m	>400	198		
Chromium	ppm	ASTM D5185m	>10	4		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	31		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	6		
Potassium	ppm	ASTM D5185m	>20	2		
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	2 NEG		
	ppm scalar					
Water		WC Method	>0.2	NEG		
Water Silt	scalar	WC Method *Visual	>0.2 NONE	NEG MODER		
Water Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.2 NONE NONE	NEG MODER NONE		
Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	NEG MODER NONE NONE		
Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NONE NORML	NEG MODER NONE NONE NORML	 	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	NEG MODER NONE NONE NORML NORML NEG		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	NEG MODER NONE NORE NORML NEG		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	NEG MODER NONE NORML NORML NEG <1 0		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 1111 0.0 	NEG MODER NONE NORML NORML NEG <1 0 5		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2 1111 0.0 0.9	NEG MODER NONE NORE NORML NEG <1 0 5 <1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2 1111 0.0 0.9 0.0	NEG MODER NONE NORML NORML NEG <1 0 5 <1 5		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NORML NORML >0.2 1111 0.0 0.9 0.0 39 	NEG MODER NONE NORML NORML NEG <1 5 <1 5 1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 111 0.0 0.9 0.0 39 93 	NEG MODER NONE NORE NORML NEG <1 0 5 <1 5 <1 5 1 0		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 111 0.0 0.9 0.0 39 93 920 	NEG MODER NONE NORML NORML NEG <1 0 5 <1 5 <1 5 1 0 344		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NORML NORML >0.2 111 0.0 0.9 0.0 39 920 104 	NEG MODER NONE NORML NORML NEG <1 0 5 <1 5 1 0 5 1 0 344 21		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 111 0.0 0.9 0.0 39 93 920 	NEG MODER NONE NORML NORML NEG <1 0 5 <1 5 <1 5 1 0 344		

Submitted By: Emylio Pineda





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 Unique Number
 : 11122931
 Diagnosed
 : 14 Jul 2024 - Don Baldridge

 Certificate 12367
 Test Package
 : CONST
 Contact: M

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 mciulla@mcclut

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 T: (4

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)
 F: (4

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 11 Jul 2024

: 12 Jul 2024

Laboratory

Sample No.

Lab Number : 06234097

: ML0002201