



[5520DR KINSLEY] Wachine Id VOLVO A40E 13563

Drop Box

VÕLVO 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.



The iron level is abnormal. Gear wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

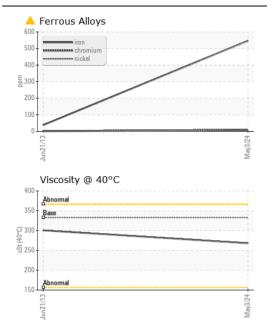
FLUID CONDITION

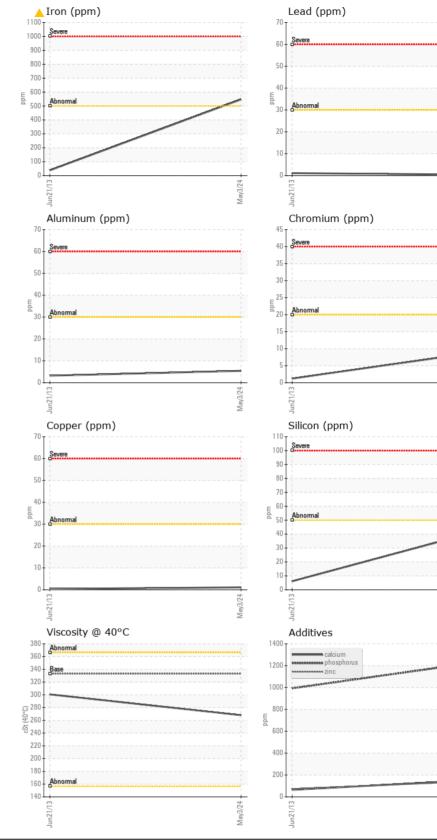
The condition of the oil is acceptable for the time in service.

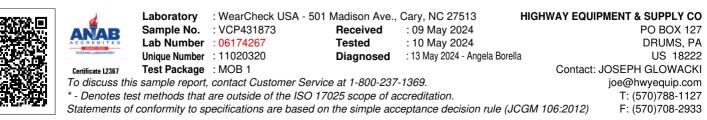
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number	001/1	Client Info	LIIIIUADI	VCP431873	VCP146015	
Sample Number		Client Info		03 May 2024	21 Jun 2013	
Machine Age	hrs	Client Info		13358	2149	
Oil Age	hrs	Client Info		1000	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed	1115	Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>500	🔺 547	38	
Chromium	ppm	ASTM D5185m	>20	9	1	
Nickel	ppm	ASTM D5185m	>10	4	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>30	5	3	
Lead	ppm	ASTM D5185m	>30	<1	1	
Copper	ppm	ASTM D5185m	>30	1	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Yellow Metal	scalar	*\/iouol	NONE	NONE		
renow wetai	Scalal	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>50	43	6	
Silicon Potassium		ASTM D5185m ASTM D5185m	>50 >20	43 1	6 0	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	43 1 NEG	6 0 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	43 1 NEG NONE	6 0 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	43 1 NEG NONE NONE	6 0 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	43 1 NEG NONE NONE NONE	6 0 NEG NONE NONE NONE	
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	43 1 NEG NONE NONE NONE NORML	6 0 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	43 1 NEG NONE NONE NONE NORML NORML	6 0 NEG NONE NONE NONE NORML 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	43 1 NEG NONE NONE NONE NORML	6 0 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	43 1 NEG NONE NONE NONE NORML NORML	6 0 NEG NONE NONE NONE NORML 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	43 1 NEG NONE NONE NORML NORML NEG	6 0 NEG 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 D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	43 1 NEG NONE NONE NORML NORML NEG 2	6 0 NEG NONE NONE NORML NORML NEG 1	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	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 NORME NORML >0.2	43 1 NEG NONE NONE NORML NORML NEG 2 128	6 0 NEG NONE NONE NORML NORML NEG 1 55	
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 NORML NORML >0.2	43 1 NEG NONE NONE NORML NORML NEG 2 128 2	6 0 NEG NONE NONE NONE NORML NORML NEG 1 55 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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NORME NORML >0.2 1111 0.0	43 1 NEG NONE NONE NORML NORML NEG 2 128 2 45	6 0 NEG NONE NONE NORML NORML NEG 1 55 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 ASTM D5185m	>50 >20 >0.2 NONE NONE NORML >0.2 1111 0.0 0.9 0.0	43 1 NEG NONE NONE NORML NORML NEG 2 128 2 128 2 45 7	6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 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 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 NORML NORML >0.2 1111 0.0 0.9 0.0 39	43 1 NEG NONE NONE NORML NORML NEG 2 128 2 128 2 45 7 8	6 0 NEG NONE NONE NONE NORML NORML NEG 1 55 0 2 1 5 5	
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 ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2 1111 0.0 0.9 0.0 39 93	43 1 NEG NONE NONE NORML NORML NEG 2 128 2 45 7 8 8 158	6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 1 5 5 64	
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	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 NORME NORML >0.2 111 0.0 0.9 0.0 39 93 920 	43 1 NEG NONE NONE NORML NORML 2 128 2 128 2 45 7 8 158 158	6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 1 5 5 0 2 1 5 5 64 992	

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Contact/Location: JOSEPH GLOWACKI - VOLVO0022







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