

WEAR	
CONTAMINATION	
FLUID CONDITION	NORMAL

Wachine Id VOLVO L120H 632644 Component Front Axle Fluid VOLVO WB 102 (--- 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.

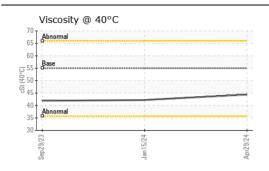
FLUID CONDITION

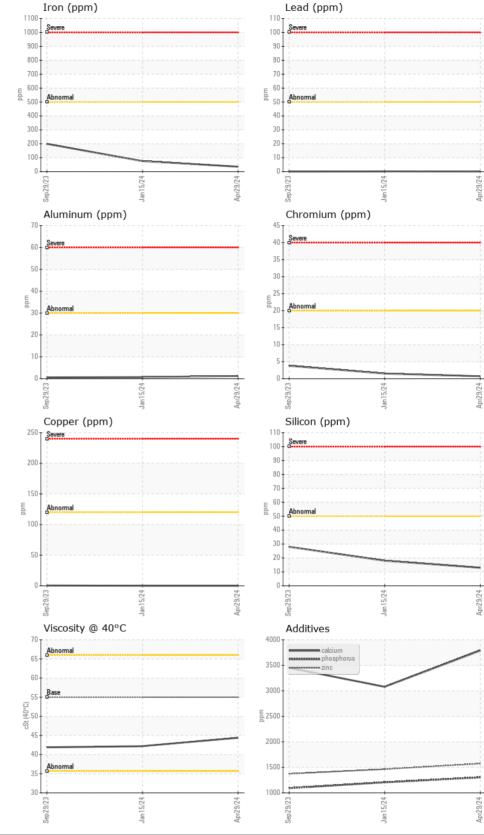
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP451334	VCP452441	VCP411604
Sample Date		Client Info		29 Apr 2024	15 Jan 2024	29 Sep 2023
Machine Age	hrs	Client Info		3837	2464	906
Oil Age	hrs	Client Info		0	2464	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	nom	ASTM D5185m	>500	35	75	199
Chromium	ppm ppm	ASTM D5185m	>20	-35 <1	2	4
Nickel		ASTM D5185m	>10	0	<1	<1
Titanium	ppm ppm	ASTM D5185m	>10	0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum		ASTM D5185m	>30	1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm ppm	ASTM D5185m	>120	0	0	<1
Tin	ppm	ASTM D5185m	>20	۰ <1	0	<1
Vanadium		ASTM D5185m	>20	<1	0	0
White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
reliuw wietai	Scalar	visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	13	18	28
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	13 1	18 <1	28 0
				-	-	
Potassium		ASTM D5185m	>20	1	<1	0
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	1 NEG	<1 NEG	0 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	1 NEG 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 LIGHT	<1 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	1 NEG NONE LIGHT 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 LIGHT NONE NORML	<1 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE
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 LIGHT NONE NORML NORML NEG	<1 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	1 NEG NONE LIGHT NORE NORML NEG 2	<1 NEG NONE NONE NORML NORML NEG <1	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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120	<1 NEG NONE NONE NORML NORML NEG <1 31	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	1 NEG NONE LIGHT NORML NORML NEG 2 120 0	<1 NEG NONE NONE NORML NORML NEG <1 31 0	0 NEG NONE NONE NORML NORML NEG 4 123 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 ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1	0 NEG NONE NONE NORML NORML NEG 4 123 0 7
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese	ppm 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 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10 10	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1 3	0 NEG NONE NONE NORML NORML NEG 4 123 0 7 7
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm 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 NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10 10 1 45	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1 3 1 0 1 3 10	0 NEG NONE NONE NORML NORML NEG 4 123 0 7 7 0
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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10 10 1 1 45 3787	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1 31 0 1 3 10 3078	0 NEG NONE NONE NORML NORML NEG 4 123 0 7 7 0 7 0 0 3451
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum 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	>20 >0.2 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10 1 1 45 3787 1304	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1 31 0 1 3 10 3078 1206	0 NEG NONE NONE NORML NORML NORML NEG 123 0 7 0 3451 1092
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10 10 10 1 45 3787 1304 1574	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1 31 0 1 3 10 3078 1206 1463	0 NEG NONE NONE NORML NORML NEG 4 123 0 7 7 0 3451 1092 1374
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum 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 ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	1 NEG NONE LIGHT NORML NORML NEG 2 120 0 10 1 1 45 3787 1304	<1 NEG NONE NONE NORML NORML NEG <1 31 0 1 31 0 1 3 10 3078 1206	0 NEG NONE NONE NORML NORML NORML NEG 123 0 7 0 3451 1092

Report Id: COVTAM [WUSCAR] 06195765 (Generated: 05/31/2024 14:46:09) Rev: 1

Contact/Location: SERVICE MANAGER ? - COVTAM





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received : VCP451334 Lab Number : 06195765 Tested Diagnosed Unique Number : 11057888 Test Package : MOB 1 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.

: 30 May 2024 : 31 May 2024 : 31 May 2024 - Wes Davis

COVANTA 350 FLAKENBURG ROAD TAMPA, FL US 33619 Contact: SERVICE MANAGER

T: (813)684-5688

F:

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

Contact/Location: SERVICE MANAGER ? - COVTAM Page 2 of 2