

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL NORMAL

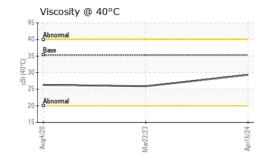


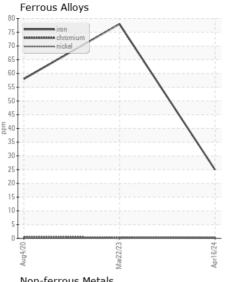
Machine Id **VOLVO L70H 622991**

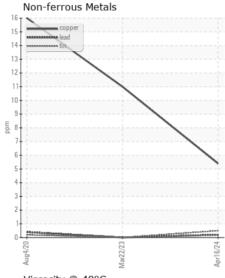
Transmission (Auto)

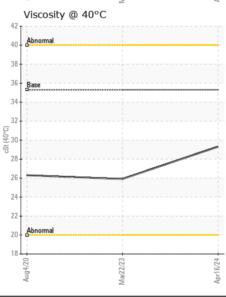
VOLVO AT 102 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		ML0001465	VCP405031	VCP283797
	Sample Date		Client Info		16 Apr 2024	22 Mar 2023	04 Aug 2020
	Machine Age	hrs	Client Info		11074	9484	4217
	Oil Age	hrs	Client Info		1590	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Not Changd
	Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>160	25	78	58
	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>5	<1	0	0
	Aluminum	ppm	ASTM D5185m	>50	1	1	<1
	Lead	ppm	ASTM D5185m	>50	<1	0	<1
	Copper	ppm	ASTM D5185m	>225	5	11	16
	Tin	ppm	ASTM D5185m	>10	<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	5	12	14
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	<1	2
There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	· · ato						
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
		scalar scalar	*Visual		NONE NONE	NONE MODER	NONE MODER
	Silt			NONE			
	Silt Debris	scalar	*Visual	NONE NONE	NONE	▲ MODER	▲ MODER
	Silt Debris Sand/Dirt	scalar scalar	*Visual	NONE NONE	NONE NONE	▲ MODER NONE	▲ MODER NONE
	Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORML	▲ MODER NONE NORML	▲ MODER NONE NORML
FLUID CONDITION	Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML NORML	NONE NONE NORML	MODER NONE NORML NORML	MODER NONE NORML NORML
FLUID CONDITION The condition of the oil is acceptable for the time in service.	Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML >0.1	NONE NONE NORML NORML NEG	MODER NONE NORML NORML NEG	MODER NONE NORML NORML NEG
FLUID CONDITION The condition of the oil is acceptable for the time in service.	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual *ASTM D5185m	NONE NONE NORML NORML >0.1	NONE NONE NORML NORML NEG	MODER NONE NORML NORML NEG	MODER NONE NORML NORML NEG
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NONE NORML NORML >0.1	NONE NORML NORML NEG 3 79	MODER NONE NORML NORML NEG 7 60	MODER NONE NORML NORML NEG 7 50
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >0.1 187 0.0 0.0	NONE NORML NORML NEG 3 79	MODER NONE NORML NORML NEG 7 60 <1	MODER NONE NORML NORML NEG 7 50 2
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >0.1 187 0.0 0.0	NONE NORML NORML NEG 3 79 0 <1	MODER NONE NORML NORML NEG 7 60 <1 <1	MODER NONE NORML NORML NEG 7 50 2 <1
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8	NONE NORML NORML NEG 3 79 0 <1 <1	MODER NONE NORML NORML NEG 7 60 <1 <1 4	MODER NONE NORML NORML NEG 7 50 2 <1 7
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NONE NORML NORML >0.1 187 0.0 0.0 6.8 215	NONE NORML NORML NEG 3 79 0 <1 <1 1	MODER NONE NORML NORML NEG 7 60 <1 <1 <1 4 <1	MODER NONE NORML NORML NEG 7 50 2 <1 7 <1
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8 215 445	NONE NORML NORML NEG 3 79 0 <1 <1 1 102	MODER NONE NORML NORML NEG 7 60 <1 <1 4 <1 114	MODER NONE NORML NORML NEG 7 50 2 <1 7 <1 109
	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	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8 215 445 56	NONE NORML NORML NEG 3 79 0 <1 <1 1 102 204	MODER NONE NORML NORML NEG 7 60 <1 <1 4 <1 114 210	MODER NONE NORML NORML NEG 7 50 2 <1 7 <1 109 159
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8 215 445 56 1336 35.3	NONE NORML NORML NEG 3 79 0 <1 <1 1 102 204 8	MODER NONE NORML NORML NEG 7 60 <1 <1 4 <1 114 210 36 2133 25.9	MODER NONE NORML NORML NEG 7 50 2 <1 7 <1 109 159 45 1952 26.3











Certificate L2367

Report Id: VOLVO8882 [WUSCAR] 06154988 (Generated: 04/24/2024 09:16:33) Rev: 1

Laboratory Sample No.

: ML0001465 Lab Number : 06154988 Unique Number : 10990411 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested**

: 22 Apr 2024 Diagnosed : 24 Apr 2024 - Jonathan Hester

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060

Contact: KYLE RATLIFFE

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

KRATLIFFE@MCCLUNG-LOGAN.COM * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T:

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

Submitted By: Service - Alex Anderson

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