WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

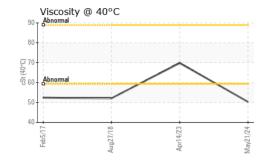


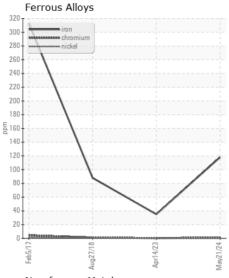
## Machine Id **VOLVO A35G 340181**

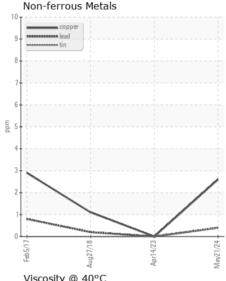
Bogie/Center Axle

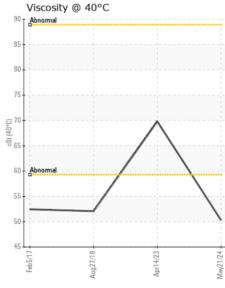
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

Test	UOM	Method	11 27/41	( )		
	0 0	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001760	VCP372935	VCP230519
Sample Date		Client Info		21 May 2024	14 Apr 2023	27 Aug 2018
Machine Age	hrs	Client Info		12006	9829	3915
Oil Age	hrs	Client Info		2177	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>900	118	35	88
Chromium	ppm	ASTM D5185m	>20	1	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	0	<1
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>150	3	0	1
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	4	2	<1
Potassium	ppm	ASTM D5185m	>20	1	2	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		3	1	2
Boron	ppm	ASTM D5185m		169	285	196
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		3	1	4
Magnesium	ppm	ASTM D5185m		2	16	<1
Calcium	ppm	ASTM D5185m		75	49	13
Phosphorus	ppm	ASTM D5185m		2265	1895	1926
Zinc	ppm	ASTM D5185m		51	35	14
		ASTM D5185m		27752	25056	28102
Sulfur Visc @ 40°C	ppm	ASTM D5165111		50.3	69.8	52.07
	Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Date  Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Manganese ppm Calcium ppm Phosphorus Poil Age Poil	Sample Date Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Ppm ASTM D5185m Chromium Ppm ASTM D5185m Titanium Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Valual Silicon Potassium Ppm ASTM D5185m Water WC Method Silt Scalar Visual Sand/Dirt Scalar *Visual Debris Scalar *Visual Sand/Dirt Scalar Appearance Scalar *Visual Sand/Dirt Scalar Appearance Scalar Scalar *Visual Sand/Dirt Appearance Scalar Appearance Scalar Scalar Appearance Scalar Appearance Scalar Scalar Appearance Scalar Appearance Scalar Scalar Appearance	Sample Date Machine Age Machine Age Mrs Client Info Oil Age Filter Age Mrs Client Info Filter Age Mrs Client Info Client Info Oil Changed Filter Changed Client Info Sample Status  Iron Chromium Dpm ASTM D5185m Ppm ASTM D5185m Silver Dpm ASTM D5185m ASTM D5185m Aluminum Dpm ASTM D5185m ASTM D51	Sample Date         Client Info         21 May 2024           Machine Age         hrs         Client Info         12006           Oil Age         hrs         Client Info         2177           Filter Age         hrs         Client Info         0           Oil Changed         Client Info         N/A           Filter Changed         Client Info         N/A           Sample Status         NORMAL           Iron         ppm         ASTM D5185m         >900         118           Chromium         ppm         ASTM D5185m         >20         1           Nickel         ppm         ASTM D5185m         >10         0           Titanium         ppm         ASTM D5185m         >10         0           Titanium         ppm         ASTM D5185m         >30         <1	Sample Date











Certificate L2367

Laboratory Sample No.

: ML0001760 Lab Number : 06194456 Unique Number: 11056579 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024 **Tested** : 30 May 2024

Diagnosed : 30 May 2024 - Angela Borella

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND 1345 MOUNTAIN ROAD

GLEN ALLEN, VA US 23060

Contact: KYLE RATLIFFE

KRATLIFFE@MCCLUNG-LOGAN.COM

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)

F: (804)266-1611

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