WEAR CONTAMINATION FLUID CONDITION

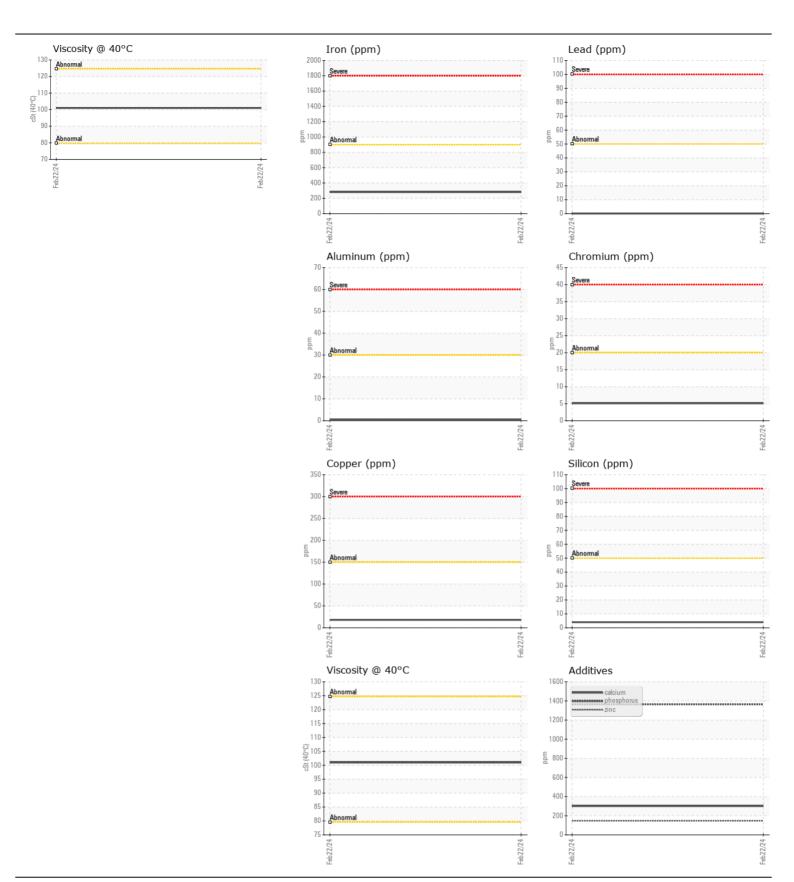
NORMAL NORMAL



Area [91526]
Wachine Id VOLVO A30G 753146

Component Rear Axle

Sample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Sample Date Client Info 22 Feb.224	DECOMMENDATION	- .				()		
Sample Date Client Info 22 Feb 2024	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age		•						
Cil Age		· ·						
Filter Age		•						
Client Info Changed Client Info Changed Client Info NA Changed Changed Changed Changed Client Info NA Changed C		-						
Filter Changed		-	hrs					
Normation								
Iron ppm ASTM D5185m >900 281		_		Client Info				
All component wear rates are normal. Chromium ppm ASTM D5185m >20 5 Nickel ppm ASTM D5185m >10 3 Titanium ppm ASTM D5185m >10 3 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >50 0 Tin ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 4 Value Visual NONE NONE Vanadium ppm ASTM D5185m >20 4 Vanadium ppm ASTM D5185m >20 A Vanadium ppm ASTM D5185m >2		Sample Status				NORMAL		
Nickel ppm ASTM D5185m 10 3 Titanium ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 50 0 Lead ppm ASTM D5185m 50 0 Lead ppm ASTM D5185m 50 0 Copper ppm ASTM D5185m 50 18 Tin ppm ASTM D5185m 50 18 Tin ppm ASTM D5185m 50 0 Vanadium ppm ASTM D5185m 50 18 Vanadium ppm ASTM D5185m 50 0 With e Metal scalar "Visual NONE NONE Vellow Metal scalar "Visual NONE NONE Vallow Metal scalar "Visual NONE NONE Water WC Method 50.2 NEG Silt scalar "Visual NONE NONE Debris scalar "Visual NONE NONE Debris scalar "Visual NONE NONE Appearance scalar "Visual NONE NONE Appearance scalar "Visual NONE NONE Appearance scalar "Visual NONE NONE Appearance scalar "Visual NONE NONE Appearance scalar "Visual NONE NONE Appearance scalar "Visual NONE	WEAR	Iron	ppm	ASTM D5185m	>900	281		
Nickel ppm ASTM D5185m 10 3 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 50 0 Lead ppm ASTM D5185m 50 0 Copper ppm ASTM D5185m 50 0 Vanadium ppm ASTM D5185m 50 0 Vanadium ppm ASTM D5185m 0 0 Vanadium ppm ASTM D5185m 0 0 Vanadium ppm ASTM D5185m 50 0 Vanadium ppm ASTM D5185m 50 0 Value Visual NONE NONE Visual NONE NONE Value Visual NONE NONE Silt scalar Visual NONE NONE Silt scalar Visual NONE NONE Silt scalar Visual NONE NONE Sand/Dirt scalar Visual NONE NONE Appearance scalar Visual NONE NORML Appearance sca	All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	5		
Silver		Nickel	ppm	ASTM D5185m	>10	3		
Aluminum ppm ASTM D5185m >30 <1		Titanium	ppm	ASTM D5185m		0		
Lead		Silver	ppm	ASTM D5185m		0		
Copper		Aluminum	ppm	ASTM D5185m	>30	<1		
Tin		Lead	ppm	ASTM D5185m	>50	0		
Vanadium ppm ASTM D5185m 0		Copper	ppm	ASTM D5185m	>150	18		
White Metal scalar *Visual NONE NO		Tin	ppm	ASTM D5185m	>20	<1		
Yellow Metal Scalar *Visual NONE N		Vanadium	ppm	ASTM D5185m		0		
Silicon ppm ASTM D5185m >50 4		White Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 4		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 4	CONTAMINATION	Silioon	nnm	ACTM DE185m	<u> 50</u>	4		
Water								
Sitt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML	There is no indication of any contamination in the oil.		ppiii					
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML			scalar					
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML NORML NORML Odor Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual NORML NORML Emulsified Water Scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML								
Appearance Scalar *Visual NORML NORM								
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG								
Emulsified Water scalar *Visual >0.2 NEG FLUID CONDITION Sodium ppm ASTM D5185m 2 Boron ppm ASTM D5185m 256 Barium ppm ASTM D5185m 5 Molybdenum ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 3 Phosphorus ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147								
Boron ppm ASTM D5185m 256 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m 5 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 3 Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147		Emulsified Water	scalar	*Visual				
Boron ppm ASTM D5185m 256 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m 5 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 3 Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147	ELUID CONDITION	- "						
Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m 5 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 3 Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147	FLUID CONDITION							
Molybdenum ppm ASTM D5185m 5 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 3 Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147	The condition of the oil is acceptable for the time in service.							
Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 3 Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147								
Magnesium ppm ASTM D5185m 3 Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147		-						
Calcium ppm ASTM D5185m 301 Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147		-						
Phosphorus ppm ASTM D5185m 1365 Zinc ppm ASTM D5185m 147		-						
Zinc ppm ASTM D5185m 147								
Sulfur ppm ASIM U5185m 21042								
Visc @ 40°C cSt ASTM D445 (101)								





Certificate L2367

Laboratory Sample No.

: VCP445685 Lab Number : 06104634 Unique Number : 10902864 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Feb 2024 **Tested** :01 Mar 2024

: 01 Mar 2024 - Wes Davis Diagnosed

MT DORA, FL US 32756-0377 Contact: ELAINE STULTZ

elaine@wlwconstruction.com T: (352)383-7305

WLW CONSTRUCTION

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:

PO BOX 377