WEAR CONTAMINATION FLUID CONDITION

NORMAL ATTENTION NORMAL

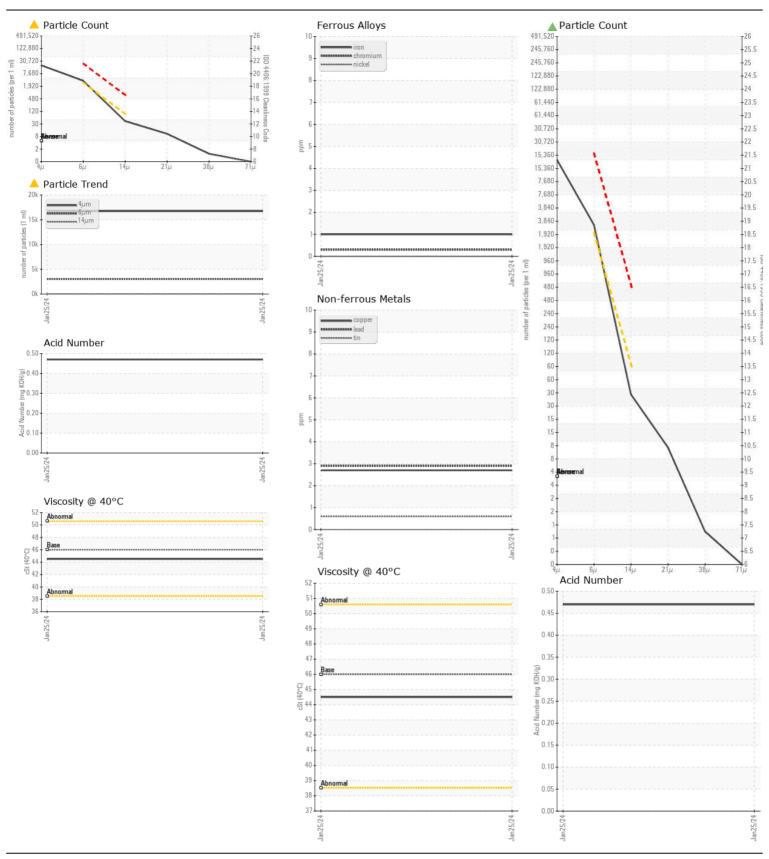


VOLVO L70H 623623

Component Hydraulic System

MOBIL HYDRAULIC OIL AW 46 (25 GAL)

Test Sample Number	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number					I listory i	HISTOLA
		Client Info		ML0000133		
Sample Date		Client Info		25 Jan 2024		
Machine Age	hrs	Client Info		3970		
•	hrs					
_		Client Into				
Sample Status				ATTENTION		
Iron	ppm	ASTM D5185m	>50	1		
Aluminum	• •		>20			
	• •			3		
Tin				<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm			3		
Potassium	ppm	ASTM D5185m	>20	0		
			>0.1			
Particles >4µm		ASTM D7647		16719		
Particles >6µm						
		ASTM D7647	>80			
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				-		
		\ /				
• • •						
Emuisilled water	scalar	visuai	>0.1	NEG		
Sodium	mqq	ASTM D5185m		2		
Boron		ASTM D5185m		0		
Barium		ASTM D5185m		0		
	ppm	ASTM D5185m		0		
Manganese		ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		30		
Phosphorus	ppm	ASTM D5185m		333		
Zinc	ppm	ASTM D5185m		424		
Sulfur	ppm	ASTM D5185m		2099		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.47		
Visc @ 40°C	cSt	ASTM D445	46	44.5		
	Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Water Particles >6µm Particles >6µm Particles >71µm Oil Cleanliness Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Acid Number (AN)	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 Yellow Metal scalar Silicon ppm Potassium ppm Water Particles >4µm Particles >6µm Particles >71µm Oil Cleanliness Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Sulfur ppm Acid Number (AN) mg KOH/g	Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Water WC Method Particles >6µm ASTM D7647 Particles >14µm ASTM D7647 Particles >21µm ASTM D7647 Particles >38µm ASTM D7647 Particles >71µm ASTM D7647 Particles >6µm ASTM D5185m Sand/Dirt scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Phosphorus ppm ASTM D5185m	Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Sample Status Iron ppm ASTM D5185m >50 Chromium ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >20 Nickel ppm ASTM D5185m >20 Titanium ppm ASTM D5185m >20 Copper ppm ASTM D5185m >20 Vanadium ppm ASTM D5185m >20 Vater WC Method >0.1 Particles >4µm ASTM D7647 >2500 Particles >6µm ASTM D7647 >2500 Particles >14µm ASTM D7647 >20 Particles >38µm ASTM D7647 >20 Particles >38µm ASTM D7647 >3 Oil Cleanliness ISO 4406 (c) >-/18/13 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand Papearance scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt sc	Oil Age hrs Client Info 3970 Filter Age hrs Client Info 2000 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m >50 1 Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >20 <1 Silver ppm ASTM D5185m >20 <1 Aluminum ppm ASTM D5185m >20 <1 Lead ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Valuel Wetal scalar *Visual NONE NONE	Oil Age Filter Age hrs Ins Client Info Client Info Client Info 3970 2000





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: ML0000133 : 06076821 : 10858912 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 01 Feb 2024 Recieved Diagnosed : 02 Feb 2024 : Don Baldridge Diagnostician

RELIABLE CONTRACTING 2410 EVERGREEN RD SUITE 200

GAMBRILLS, MD US 21054

Contact: RUSSELL HATFIELD RHATFIELD@RELIABLECONTRACTING.COM

T: (410)987-1851

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)

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