

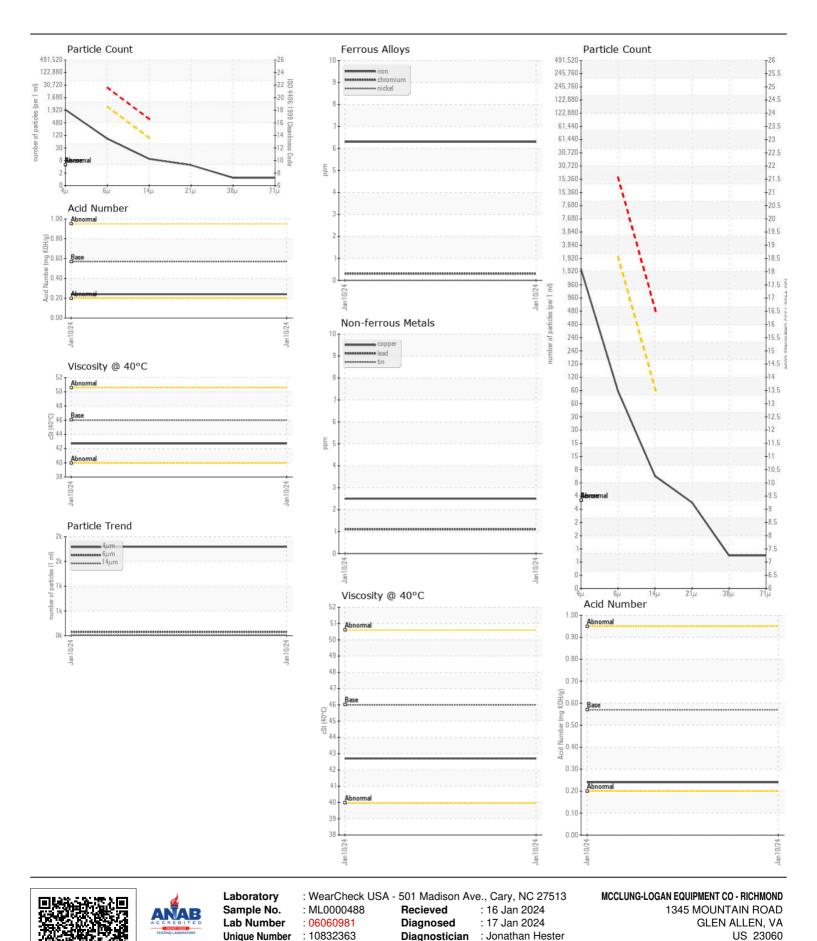
Machine Id VOLVO L90H 624938 Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		ML0000488		
	Sample Date		Client Info		10 Jan 2024		
	Machine Age	hrs	Client Info		5292		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>50	6		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	<1		
	Lead	ppm	ASTM D5185m	>20	1		
	Copper	ppm	ASTM D5185m	>150	2		
	Tin	ppm	ASTM D5185m	>20	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	6		
	Potassium	ppm	ASTM D5185m	>20	0		
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647		1794		
	Particles >6µm		ASTM D7647	>2500	74		
	Particles >14µm		ASTM D7647	>80	8		
	Particles >21µm		ASTM D7647	>20	4		
	Particles >38µm		ASTM D7647	>4	1		
	Particles >71µm		ASTM D7647	>3	1		
	Oil Cleanliness		ISO 4406 (c)	>/18/13	18/13/10		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	5	0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m	25	0		
	Calcium	ppm	ASTM D5185m	200	54		
	Phosphorus	ppm	ASTM D5185m	300	333		
	Zinc	ppm	ASTM D5185m	370	422		
	Sulfur	ppm	ASTM D5185m	2500	2029		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.24		
	V/inc @ 4000	. 01		4.0	40 7		

Visc @ 40°C cSt ASTM D445 46

42.7



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (804)266-1611 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Test Package : CONST

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

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