

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

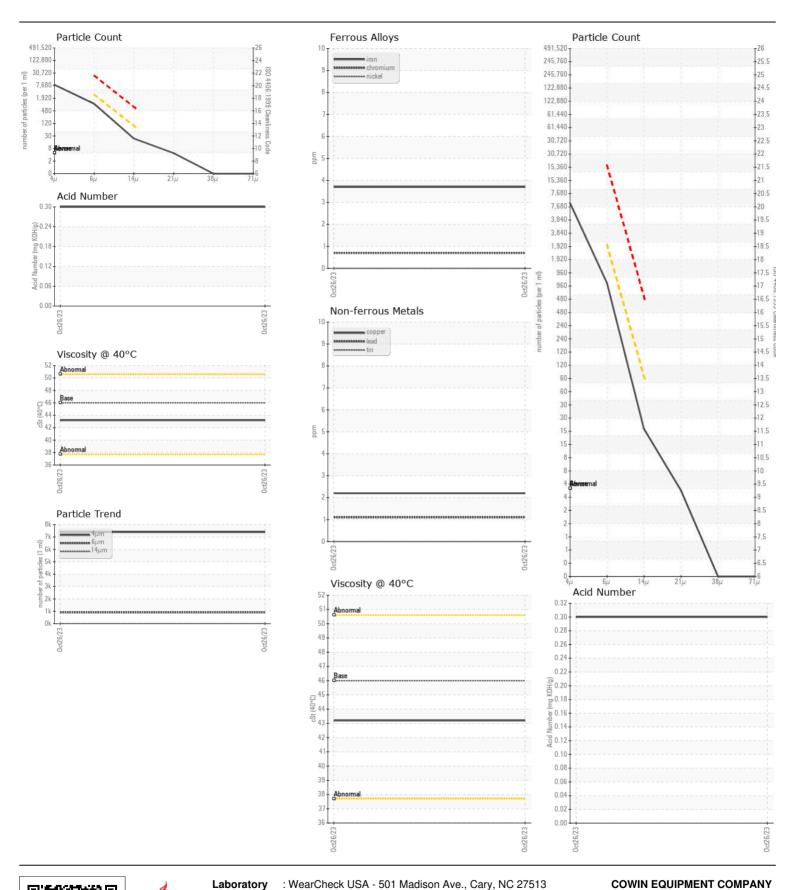


## **VOLVO L70H 624395**

Component Hydraulic System

**VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)** 

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	OCIVI	Client Info	LITTIUAUTI	VCP420481		
Resample at the next service interval to monitor.	Sample Date		Client Info		26 Oct 2023		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1110	Client Info		N/A		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>50	4		
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		0		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		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  The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Silicon	ppm	ASTM D5185m	>20	4		
	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		7393		
	Particles >6µm		ASTM D7647	>2500	910		
	Particles >14µm		ASTM D7647	>80	20		
	Particles >21μm		ASTM D7647	>20	4		
	Particles >38µm		ASTM D7647	>4	0		
	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>/18/13	20/17/11		
	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	nnm	ASTM D5185m		2		
	Boron	ppm	ASTM D5185m	14	0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm		49	64		
	Phosphorus	ppm	ASTM D5185m		333		
	Zinc	ppm	ASTM D5185m		437		
	Sulfur	ppm	ASTM D5185m		1973		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.30		
	Visc @ 40°C	cSt	ASTM D445	46	43.2		





Certificate L2367

Laboratory Sample No. Lab Number : 06084730 Unique Number: 10872175

: VCP420481 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Feb 2024 **Tested** : 12 Feb 2024 Diagnosed

: 12 Feb 2024 - Wes Davis

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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)