WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

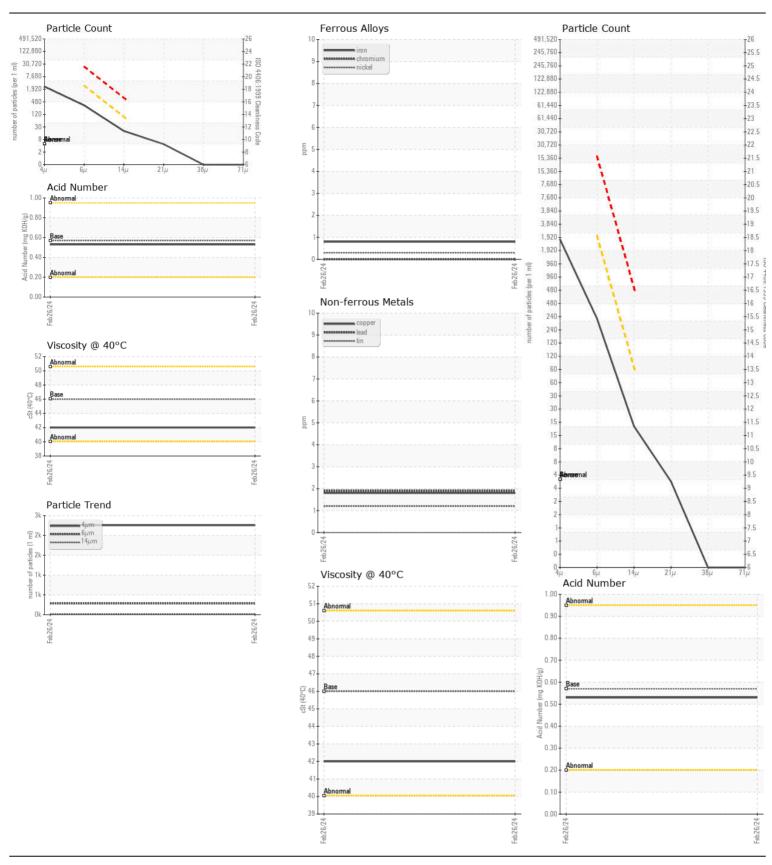


VOLVO L20H 1220565

Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

DECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History?
RECOMMENDATION	Sample Number	UOIVI	Client Info	LIIIII/ADII	ML0000874		History2
Resample at the next service interval to monitor.	Sample Date		Client Info		26 Feb 2024		
	Machine Age	hrs	Client Info		1057		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1113	Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status		Onone into		NORMAL		
	·						
WEAR	Iron	ppm	ASTM D5185m	>50	<1		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0		
	Nickel	ppm	ASTM D5185m	>10	<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	0		
	Lead	ppm	ASTM D5185m	>20	2		
	Copper	ppm	ASTM D5185m	>150	2		
	Tin	ppm	ASTM D5185m	>20	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>20	2		
	Potassium	ppm	ASTM D5185m		<u>-</u> <1		
	Water	ppiii	WC Method		NEG		
	Particles >4µm		ASTM D7647	20.1	2256		
	Particles >6μm		ASTM D7647	>2500	284		
	Particles >14μm		ASTM D7647		17		
	Particles >21µm		ASTM D7647		4		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)	>/18/13	18/15/11		
	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	O - all		AOTM DE405				
	Sodium	ppm	ASTM D5185m	E	<1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m	3			
	Magnesium	ppm	ASTM D5185m	25	<1 <1		
	Calcium	ppm	ASTM D5185m	200	53		
	Phosphorus	ppm	ASTM D5185m		357		
	Zinc	ppm	ASTM D5185m		497		
	Sulfur	ppm	ASTM D5185m		1445		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.53		
	Visc @ 40°C	cSt	ASTM D0045		42.0		
	1100 @ 10 0	001	. 10 1111 01 13	10	72.0		





Certificate L2367

Laboratory Sample No.

: ML0000874 Lab Number : 06103642 Unique Number: 10901872 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Feb 2024 **Tested** : 29 Feb 2024

: 01 Mar 2024 - Don Baldridge Diagnosed

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060

Contact: KYLE RATLIFFE

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

KRATLIFFE@MCCLUNG-LOGAN.COM * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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