

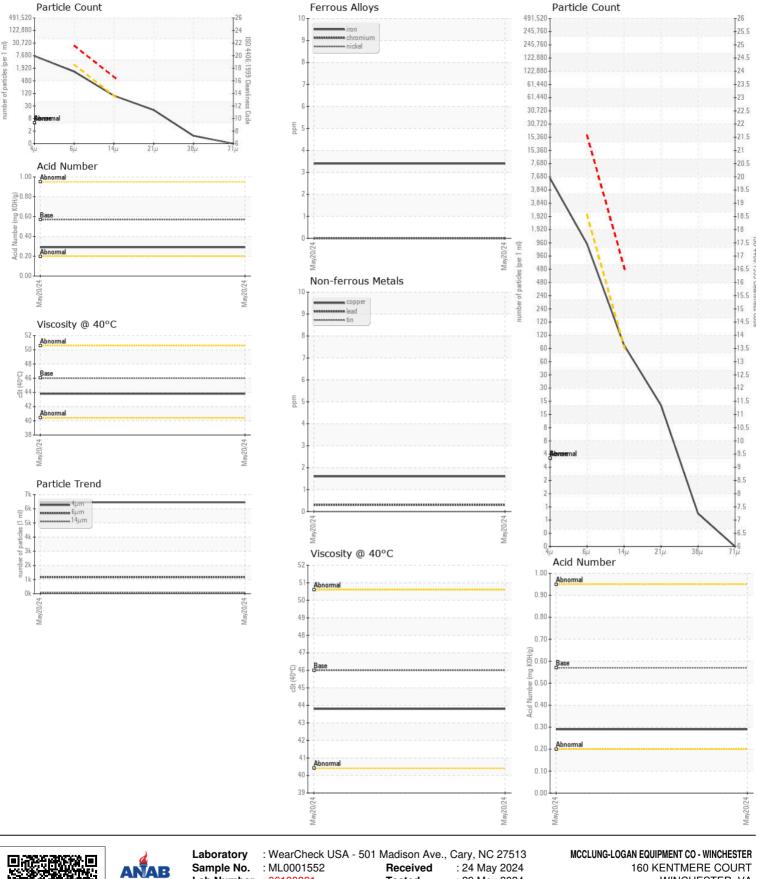
Machine Id onent

VOLVO L70H 624732 Hydraulic System AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		ML0001552		
	Sample Date		Client Info		20 May 2024		
	Machine Age	hrs	Client Info		2597		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	<u>∖</u> 50	3		
WEAN	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	210	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	0		
	Lead	ppm	ASTM D5185m		۰ <1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	~ = 0	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4		
	Potassium	ppm	ASTM D5185m	>20	0		
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647		6453		
	Particles >6µm		ASTM D7647	>2500	1156		
	Particles >14µm		ASTM D7647	>80	82		
	Particles >21µm		ASTM D7647	>20	17		
	Particles >38µm		ASTM D7647	>4	1		
	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>/18/13	20/17/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
	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	nom	ASTM D5185m		1		
	Boron	ppm ppm	ASTM D5185m	5	0		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m	5	0		
	Magnesium	ppm	ASTM D5185m	25	1		
	Calcium	ppm	ASTM D5185m	200	75		
	Phosphorus	ppm	ASTM D5185m		337		
	Zinc		ASTM D5185m		458		
	Sulfur	ppm ppm	ASTM D5185m		2308		
	Acid Number (AN)		ASTM D5185111 ASTM D8045		0.29		
		ing itoriy	. OTWI D0040	0.07	0.23	-	

Visc @ 40°C cSt ASTM D445 46

43.8



Lab Number : 06190391 Tested WINCHESTER, VA : 29 May 2024 US 22603 Unique Number : 11047143 : 29 May 2024 - Angela Borella Diagnosed Test Package : CONST Contact: JENNIFER MATIAS Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jmatias@mcclung-logan.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (540)722-3700 F: (540)722-4441 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: JENNIFER MATIAS - VOLVO4589