

WEAR CONTAMINATION FLUID CONDITION

NORMAL ABNORMAL NORMAL



Machine Id LIEBHERR LH30 146882-1253

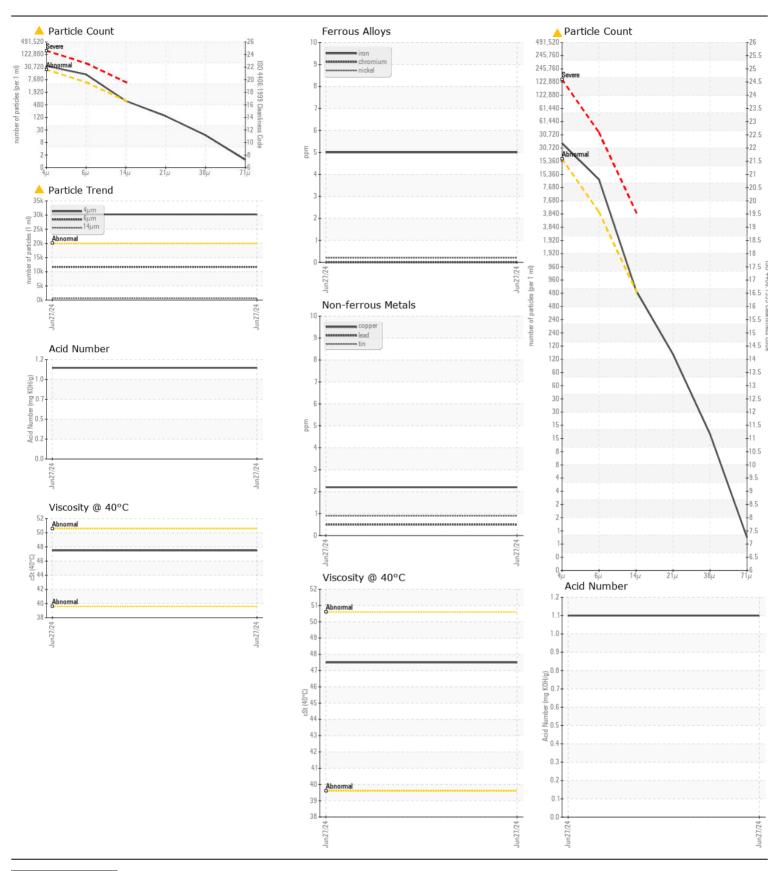
Hydraulic System MV-46 (GAL)					.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		LH0272378		
	Sample Date		Client Info		27 Jun 2024		
	Machine Age	hrs	Client Info		1002		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAD					_		
WEAR	Iron	ppm	ASTM D5185m		5		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m	>2	<1		
	Titanium Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	. 2	0		
	Lead	ppm	ASTM D5185m ASTM D5185m		<1 <1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	/ <u>L</u>	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		3		
There is a moderate amount of ailt (particulates a 14 migrans in aize)	Potassium	ppm	ASTM D5185m		3		
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water		WC Method		NEG		
	Particles >4μm		ASTM D7647		9 30250		
	Particles >6µm		ASTM D7647	>5000	<u>11689</u>		
	Particles >14µm		ASTM D7647		642		
	Particles >21µm		ASTM D7647		121 15		
	Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647		15		
	Oil Cleanliness		ISO 4406 (c)		22/21/17		
	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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.	Boron	ppm	ASTM D5185m		<1		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium Calcium	ppm	ASTM D5185m		10		
		ppm	ASTM D5185m ASTM D5185m		984 555		
	Phosphorus Zinc	ppm	ASTM D5185m		555 672		
	Sulfur	ppm	ASTM D5185m		3874		
	A LINE I (AND	phili	A OTAL DOG 1		3074		

Acid Number (AN) mg KOH/g ASTM D8045

Visc @ 40°C cSt ASTM D445

1.10

47.5





Certificate L2367

Laboratory Sample No.

Lab Number : 06224996 Unique Number : 11103193 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LH0272378

Received : 01 Jul 2024 **Tested** : 02 Jul 2024 Diagnosed

: 02 Jul 2024 - Wes Davis

RECO EQUIPMENT INC 8075 PRODUCTION DRIVE FLORENCE, KY US 41042

Contact: TRACEY EDGERTON tedgerton@recoequip.com

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)

T: F: (859)727-7974