P **CONSTRUCTION EQUIPMENT**

[[BLOOMINGTON IRON]] LIEBHERR A904 030904-710 - Hydrauli

Sample No: LH0267728

Oil Type:

Sample Information

MV 46

Sample Number		LH0267728	LHMC003903	LHMC007098	
Sample Date		17 Mar 2024	15 Aug 2007	31 Oct 2006	
Machine Hours		8958	642	172	
Oil Hours		0	642	172	
Oil Changed		Not Changd	Not Changd	Not Changd	
Sample Status		NORMAL	ABNORMAL	NORMAL	
	ndition				
Visc @ 40°C	cSt	63.5	65.88	66.18	
Acid Number (AN)	mg KOH/g	0.40	0.910	0.908	

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Contamination					
Water	%	NEG	NEG	NEG	
Particles >4µm		0 10894		2776	
Particles >6µm		1893		0 1026	
Particles >14µm		133		0 109	
ISO 4406:1999 (c)		21/18/14		19/17/14	
Silicon	ppm	○ <1	2	01	
Sodium	ppm	01	6	5	
Potassium	ppm	02	0	0	

Wear Metals

Iron	ppm	07	0 4	3	
Copper	ppm	02	0 2	◯ <1	
Lead	ppm	◯ <1	○ <1	◯ <1	
Tin	ppm	0 🔘	0	0	
Aluminum	ppm	0 🔘	○ <1	◯ <1	
Chromium	ppm	02	0 1	◯ <1	
Molybdenum	ppm	0	<1	<1	
Nickel	ppm	0 🔘	0 0	0	
Titanium	ppm	0	<1	<1	
Silver	ppm	0	0	0	
Manganese	ppm	<1	<1	0	
Vanadium	ppm	0	0	0	

Additives					
Calcium	ppm	38	1232	1120	
Magnesium	ppm	<1	8	7	
Zinc	ppm	414	442	400	
Phosphorus	ppm	334	404	325	
Barium	ppm	0	0	0	
Boron	ppm	0	<1	<1	



RECO EQUIPMENT INC

8075 PRODUCTION DRIVE FLORENCE, KY US 41042 Contact: TRACEY EDGERTON tedgerton@recoequip.com T: F: (859)727-7974

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LEC0082 Unique No: 10996354 Signed: Wes Davis Report Date: 26 Apr 2024

Report Id: LEC0082 [WUSCAR] 06160931 (Generated: 04/26/2024 13:51:35) Rev: 1

Contact/Location: TRACEY EDGERTON - LEC0082

LEBHERR CONSTRUCTION EQUIPMENT

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Graphs



Ferrous Alloys Particle Count 10 - 491,520--26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß ppm 5 -22 30,720 hnorm 15,360 -21 2 7,680 20 2 3,840 -19 0 1,920 -18 🛛 Mar17/24 -Aug15/07 nber of particles (per 1 ml) 90 4406:1999 Cleanlines: 0ct31 960 17 Non-ferrous Metals -16 480 10 15 copper 240 9 nan lead -14 6 • tin 120 8 -13 60 ß -12 30 mdd 5 15 -11 2 10 8 4 9 2 8 Ω Aug15/07. 90 Mar17/24 0ct31 0, 21µ 14μ 38µ Viscosity @ 40°C Acid Number 70 1.0 0.9 65 0.8 60 (B/H0) 0.6 cSt (40°C) 201 202 1) 10.5 aquint N 0.4 Abnormal Pciq 0.3 45 0.2 40 Abnormal 0.1 35 0.0 Aug15/07 -Mar17/24 -Aug15/07 90 0ct31/06 Mar17/24 0ct31

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