LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH60M 120561-1217 - Hydraulic System

Sample No: LH0253865
Oil Type: NOT GIVEN

Silver

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ADDITIVES

5					
U SAMP	PLE INFOR	RMATION			
Sample Number		LH0253865	LH0236487	LH0220673	LH0200252
Sample Date		08 Sep 2023	02 Mar 2023	22 Nov 2022	10 Feb 2022
Machine Hours		3762	2565	1973	983
Oil Hours		0	2565	1973	0
Oil Changed		Not Changd	Changed	Changed	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
A					
OILCO	ONDITION	V			
Visc @ 40°C	cSt	42.3	O 42.8	43.0	44.3
Acid Number (AN)	mg KOH/g	0.33	0.97	○ 1.05	○ 1.24
-4					
CONT	AMINAT	ION			
Particles >4µm		4765	O 667	O 1173	2722
Particles >6µm		1644	O 190	O 238	O 746
Particles >14µm		140	O 24	16	O 71
ISO 4406:1999 (c)		19/18/14	17/15/12	17/15/11	19/17/13
Silicon	ppm	2	O 2	O 2	O 2
Sodium	ppm	3	O 2	O 2	O 2
Potassium	ppm	2	O 0	O <1	O <1
-					
WEAF	RMETALS	;			
Iron	ppm	93	O 49	O 41	O 11
Copper	ppm	10	0 8	0 8	4
Lead	ppm	1	0	O 2	O <1
Tin	ppm	0	0	O <1	O <1
Aluminum	ppm	0	O <1	<1 <1	 <1
Chromium	ppm	() <1	O <1	O <1	O <1
Molybdenum	ppm	0	0	O <1	O <1
Nickel	ppm	0	O 0	0	0
Titanium	ppm	<1	0	0	0

951

581

480

0

6



AMERICAN STATE EQUIPMENT CO. 2400 NORTH 14TH AVENUE

US 54401 Contact: CHRIS BARTNIK cbartnik@amstate.com T: (715)675-6900 F: (715)675-9748

Diagnosis

WAUSAU, WI

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:LEC0008Unique No:10670706Signed:Don BaldridgeReport Date:01 Oct 2023

1135

673

O 555

09

0

1173

10

695

571

0

Contact/Location: CHRIS BARTNIK - LEC0008

2

0

997

636

543

0

6

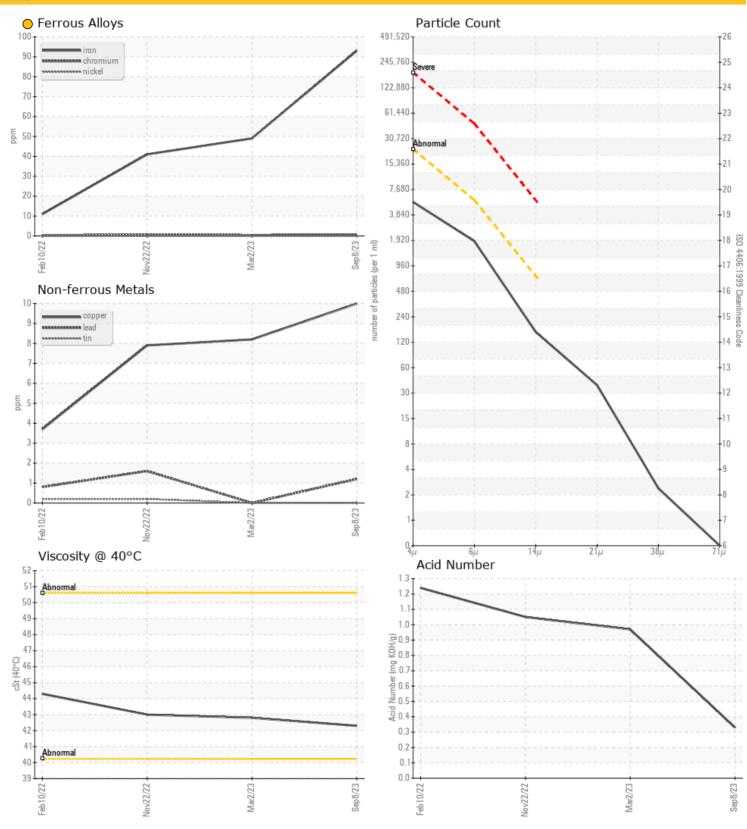
LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: LEC0008 [WUSCAR] 05964155 (Generated: 10/02/2023 17:06:22) Rev: 1

Contact/Location: CHRIS BARTNIK - LEC0008