CONSTRUCTION EQUIPMENT

LIEBHERR LH40M 101800-1215 - Hydraulic System

Sample No: LH06042079

Oil Type: NOT GIVEN

SAMPLE INFORMATION

LH06042079	LH05687099	LHMC98629	
20 Dec 2023	06 Nov 2022	20 Nov 2019	
6013	0	2034	
0	5008	0	
N/A	Not Changd	Not Changd	
ABNORMAL	NORMAL	NORMAL	
	20 Dec 2023 6013 0 N/A ABNORMAL	20 Dec 2023 06 Nov 2022 6013 0 0 5008 N/A Not Changd ABNORMAL NORMAL	20 Dec 2023 06 Nov 2022 20 Nov 2019 6013 0 2034 0 5008 0 N/A Not Changd Not Changd ABNORMAL NORMAL NORMAL

Visc @ 40°C	cSt	42.0	0 42.4	43.7	
Acid Number (AN)	mg KOH/g	0 1.10	0 1.21	0 1.135	

Water	%	NEG	NEG	NEG	
Particles >4µm		0 44347	6322	8748	
Particles >6µm		0 3674	972	0 1018	
Particles >14µm		5 9	53	0 15	
ISO 4406:1999 (c)		23/19/13	20/17/13	20/17/11	
Silicon	ppm	01	2	○ <1	
Sodium	ppm	2	01	2	
Potassium	ppm	0 ()	○ <1	0	

WEAR METALS

Iron	ppm	0 12	0 12	0 10	
Copper	ppm	6	○ 5	0 4	
Lead	ppm	○ <1	○ <1	0	
Tin	ppm	0	0	0	
Aluminum	ppm	0 (0	0	
Chromium	ppm	0 2	0 2	01	
Molybdenum	ppm	0	0	0	
Nickel	ppm	0	0	0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	0	0	<1	
Vanadium	ppm	<1	0	0	

ADDITIVES

Calcium	ppm	671	984	1270	
Magnesium	ppm	5	6	6	
Zinc	ppm	829	881	732	
Phosphorus	ppm	697	704	623	
Barium	ppm	0	0	<1	
Boron	ppm	0	<1	<1	





DIEHL AND NUEMAIER

5466 NORWAY GROVE SCHOOL RD DE FOREST, WI US 53532 Contact: ELLIOT DIEHL diehlneumaier@yahoo.com T: (608)846-4824 F: (608)846-2077

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

 Depot:
 DIEDEF

 Unique No:
 10802687

 Signed:
 Wes Davis

 Report Date:
 22 Dec 2023

Report Id: DIEDEF [WUSCAR] 06042079 (Generated: 12/22/2023 13:49:54) Rev: 1

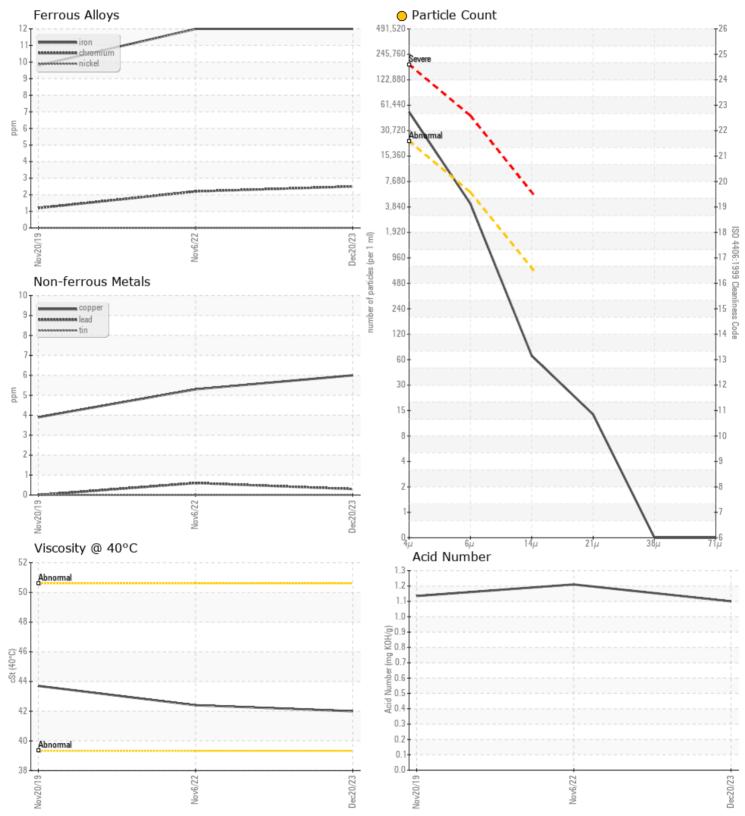
Contact/Location: ELLIOT DIEHL - DIEDEF

LIEBHERR CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: ELLIOT DIEHL - DIEDEF