CONSTRUCTION EQUIPMENT

LIEBHERR LH30M 121854-1253 - Pump Drive

Sample No: LH0272743

Oil Type: GEAR OIL LS 80W90

SAMPLE INFORMATION

Sample Number	LH0272743	LH0272578	LH0264399	LH0254776
Sample Date	02 Jan 2024	27 Oct 2023	04 Aug 2023	02 Jun 2023
Machine Hours	6976	6481	6007	5547
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	NORMAL	NORMAL	NORMAL
OIL CONDI	TION			
Visc @ 40°C cSt	0 127	0 117	0 118	0 121

CO	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	○ <1	○ <1	◯ <1	0	
Sodium	ppm	○ <1	01	2	◯ <1	
Potassium	ppm	○ <1	0	02	01	

WEA	R METALS				
Iron	ppm	639	07	0 13	0 12
Copper	ppm	7 8	0	02	○ <1
Lead	ppm	○ <1	0	0	0
Tin	ppm	3	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	04	0	0	0
Molybdenum	ppm	0 🔘	0	0	○ <1
Nickel	ppm	0 🔘	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	04	0	○ <1	○ <1
Vanadium	ppm	0	0	<1	0

ADDITIVES Calcium ppm 26 58 072 87 02 Magnesium 03 09 $\bigcirc 7$ ppm 0 38 0 33 Zinc 0 45 0 57 ppm Phosphorus ppm 0754 0 822 786 817 Barium ppm ◯ <1 $\bigcirc 0$ 0 0

0

 $\bigcirc 2$

 $\bigcirc 5$





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Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.A sharp increase in the iron and copper levels is noted. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	LEC0008
Unique No:	10830290
Signed:	Don Baldridge
Report Date:	15 Jan 2024

7

ppm

Boron

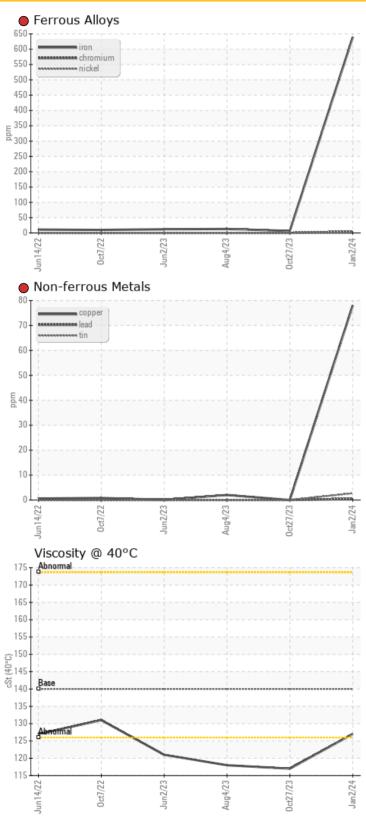
Contact/Location: CHRIS BARTNIK - LEC0008





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GRAPHS



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