LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH30M 121854-1253 - Swing Drive

Sample No: LH0272744

Copper

Aluminum

Chromium

Nickel

Silver

Titanium

Molybdenum

Lead

Tin

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

nnm

4

0<1

0

0

0

0

0

0

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90

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SAN	APLE INFO	ORMATION			
Sample Number	•	LH0272744	LH0264393	LH0236120	LH0220803
Sample Date		02 Jan 2024	04 Aug 2023	20 Jan 2023	05 Dec 2022
Machine Hours		6976	6007	1172	3974
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	NORMAL	NORMAL
	CONDITION		0.404	0.140	0.440
Visc @ 40°C	cSt		○ 134	O 142	O 142
Water	%	0.872	NEG	NEG	NEG
Silicon	ppm	11	5	O 1	O 2
Sodium	ppm	O <1	1	O <1	O <1
Potassium	ppm	0	3	2	3
◎ WE	AR META	LS			
Iron	ppm	36	O 852	O 57	○ 367



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WAUSAU, WI US 54401

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Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Olivoi	PPIII	· ·	O	O .	O .					
Manganese	ppm	0	6	O <1	3					
Vanadium	ppm	0	0	0	0					
0										
ADDITIVES										
Calcium	ppm	3605	38	43	45					
Magnesium	ppm	19		4	6					
Zinc	ppm	1474	75	44	○ 33					
Phosphorus	ppm	1099	1053	1240	○ 688					
Barium	ppm	0	O 0	0	O 0					
Boron	ppm	114	O 14	9	O 14					

 \bigcirc <1

 \bigcirc <1

0

02

0

Depot:LEC0008Unique No:10830291Signed:Don BaldridgeReport Date:15 Jan 2024

LIEBHERR

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GRAPHS

