¢ 3 H E R R **CONSTRUCTION EQUIPMENT**

[[20230600]] LIEBHERR LH30M 135986 - Front Differential

LH0278484 Sample No:

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Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0278484	LH0265909	LH0242767	LH0234413
Sample Date	22 Dec 2023	23 Mar 2023	22 Dec 2022	05 Jul 2022
Machine Hours	3966	0	1972	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL
OIL CONI	DITION			
Visc @ 40°C cSt	176	0 181	174	64 2

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	01	01	◯ <1	0 10	
Sodium	ppm	○ <1	◯ <1	2	0 14	
Potassium	ppm	0	0	◯ <1	3	

WEA	R METALS				
Iron	ppm	3	04	07	0 10
Copper	ppm	○ <1	○ <1	○ <1	02
Lead	ppm	0	0	○ <1	○ <1
Tin	ppm	0	0	0	0
Aluminum	ppm	○ <1	○ <1	○ <1	01
Chromium	ppm	0	0	0	○ <1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	○ <1	○ <1	○ <1	○ <1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	○ <1	◯ <1	7
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3	21	0 105	3748
Magnesium	ppm	○ <1	2	○ <1	0 12
Zinc	ppm	5	9	0 41	0 1448
Phosphorus	ppm	0 2281	2328	2460	0 1162
Barium	ppm	0	0	0	○ <1
Boron	ppm	<mark>○</mark> <1	01	0 4	0 102



Industrial Metals 550 Messier St. Winnipeg, MB CA R2J 0G5 Contact: Service Manager

T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:	IND550WIN
Unique No:	5707700
Signed:	Wes Davis
Report Date:	04 Jan 2024



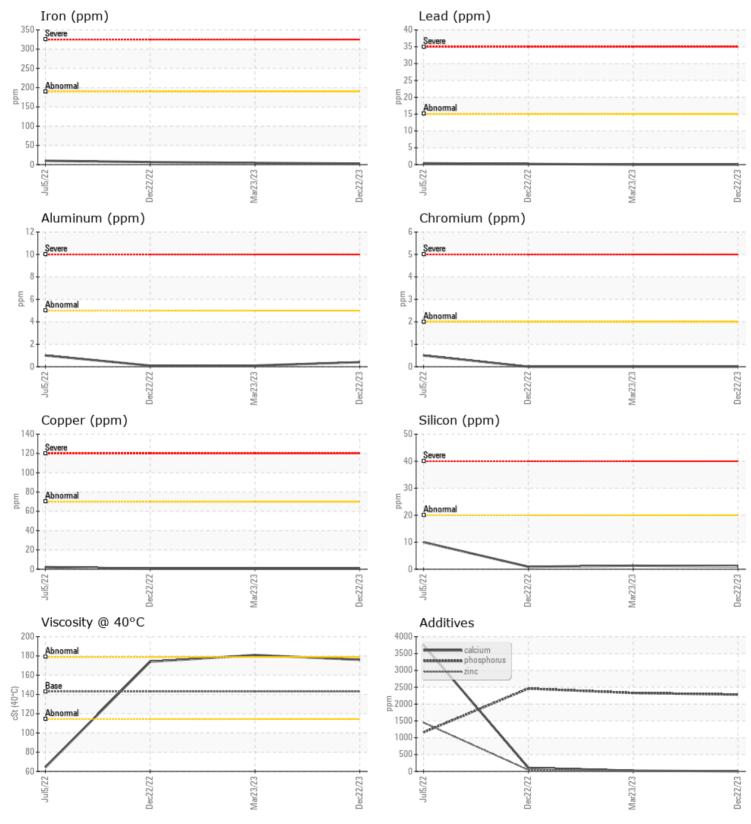
Submitted By: Bastian Firmbach





GRAPHS

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Submitted By: Bastian Firmbach