



LIEBHERR LH50 137429 - Front Right Wheel Hub

Sample No: LH0274504

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number		LH0274504	LH0247026	LH0251877	LH0247250
Sample Date		20 Aug 2023	11 Jun 2023	23 Feb 2023	02 Dec 2022
Machine Hours		6359	5689	4360	3290
Oil Hours		0	0	0	0
Oil Changed		Changed	N/A	Changed	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL	ABNORMAL
OIL CONDITION					
Visc @ 40°C	cSt	0 101	0 100	0 101	0 103

Silicon	ppm	02	3	04	3
Sodium	ppm	3	3	02	3
Potassium	ppm	○ <1	01	○ <1	01

WV EA	R META		0.40		
Iron	ppm	0 19	0 19	21	0 18
Copper	ppm	0 48	0 46	37	37
Lead	ppm	01	01	01	◯ <1
Tin	ppm	0 🔘	0	0	0
Aluminum	ppm	0 2	2	2	2
Chromium	ppm	0 🔘	0	0	0
Molybdenum	ppm	○ <1	○ <1	○ <1	○ <1
Nickel	ppm	0 🔘	0	○ <1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	02	2	2	2
Vanadium	ppm	0	0	0	0

ADDITIVES Calcium 0 59 ppm 66 0 57 0 58 Magnesium ppm 2 02 2 02 Zinc ○ 50 0 43 0 39 0 51 ppm Phosphorus 0 1361 0 1372 0 1370 0 1370 ppm Barium ppm 0 0 0 0 0 Boron 0 319 ppm 263 263 0 273



CMI - COMBINED METAL INDUSTRIES 505 GARY RAY DRIVE NORTH YORK, ON

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Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. 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:	COMWES
Unique No:	5630298
Signed:	Kevin Marson
Report Date:	22 Aug 2023





GRAPHS

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