

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 137429 - Rear Right Wheel Hub

Sample No: LH0284888

Oil Type: GEAR OIL SAE 75W90



CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
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SAMPLE INFORMATION

Sample Number	LH0284888	LH0274507	LH0247029	LH0251879
Sample Date	01 Feb 2024	20 Aug 2023	11 Jun 2023	23 Feb 2023
Machine Hours	8133	6359	5689	4360
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	102	103	103	101



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	0	0	<1



WEAR METALS

Iron	ppm	8	9	7	8
Copper	ppm	12	15	8	6
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	10	17	13	15
Magnesium	ppm	1	2	1	2
Zinc	ppm	15	17	13	14
Phosphorus	ppm	1251	1324	1409	1372
Barium	ppm	0	0	0	0
Boron	ppm	310	339	312	307

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: COMWES
 Unique No: 5733515
 Signed: Wes Davis
 Report Date: 16 Feb 2024



GRAPHS

