

LIEBHERR

CONSTRUCTION EQUIPMENT



[(365672)] LIEBHERR LH50M 135585-1216 - Rear Right Wheel

Sample No: LH0223055

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0223055	LH0223043	LH0223031	LH0223019
Sample Date	25 Oct 2022	25 Aug 2022	27 Jun 2022	03 May 2022
Machine Hours	4976	3930	2996	2003
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

Weyerhaeuser

1000 Jones road

Kenora, ON

CA P9N 3X8

Contact: Rene Gagne

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Oil Condition

Visc @ 40°C	cSt	153	150	147	134
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	12	12	28
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	<1	<1	<1



Wear Metals

Iron	ppm	62	91	76	94
Copper	ppm	23	39	36	41
Lead	ppm	<1	4	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	<1	<1	2
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	2	2	3
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	18	60	81	207
Magnesium	ppm	<1	<1	1	1
Zinc	ppm	35	46	41	84
Phosphorus	ppm	2169	1987	2093	1691
Barium	ppm	0	0	<1	4
Boron	ppm	110	80	101	8

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: WEY100KEN

Unique No: 5477280

Signed: Kevin Marson

Report Date: 02 Nov 2022



Graphs

