

LIEBHERR

CONSTRUCTION EQUIPMENT



[(346464)] LIEBHERR LH30M 124535-1253 - Rear Differential

Sample No: LH0286586

Oil Type: GEAR OIL SAE 75W90



JOHN ROSS & SONS LTD.
 85 GLASSY AVENUE
 TRURO, NS
 CA B2N 6Z1
 Contact: Service Manager



Sample Information

Sample Number	LH0286586	LH0269637	LH0224215	LH0194913
Sample Date	16 Mar 2024	18 Oct 2023	04 Apr 2022	03 Oct 2021
Machine Hours	6121	5046	2025	1068
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	103	98.5	94.3	55.9
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	1	2	8
Sodium	ppm	2	2	3	16
Potassium	ppm	<1	0	<1	2

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.



Wear Metals

Iron	ppm	3	6	6	7
Copper	ppm	1	4	2	4
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	2
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	46	142	617	3522
Magnesium	ppm	1	1	3	11
Zinc	ppm	24	68	269	1424
Phosphorus	ppm	1187	1199	1307	1204
Barium	ppm	<1	<1	1	<1
Boron	ppm	304	287	282	101

Depot: JOHTRU
 Unique No: 5760225
 Signed: Wes Davis
 Report Date: 05 Apr 2024



Graphs

