

LIEBHERR

CONSTRUCTION EQUIPMENT



[(346464)] LIEBHERR LH30M 124535-1253 - Front Right Wheel

Sample No: LH0286591

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	LH0286591	LH0269643	LH0224216	LH0194915
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	102	102	88.2	55.6

T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	3	4
Sodium	ppm	3	5	9	22
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	20	17	25	15
Copper	ppm	3	6	7	15
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<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	76	142	919	3477
Magnesium	ppm	1	1	4	10
Zinc	ppm	35	65	395	1427
Phosphorus	ppm	1198	1182	1257	1202
Barium	ppm	1	<1	2	<1
Boron	ppm	300	278	237	99

Depot: JOHTRU
Unique No: 5760219
Signed: Wes Davis
Report Date: 05 Apr 2024



Graphs

