

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-121539 - Front Left Wheel Hub

Sample No: LH0213363

Oil Type: GEAR OIL LS 80W90



KEYSTONE RAIL RECOVERY
70 MARYLAND AVE
JERSEY SHORE, NJ
US 17740
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0213363	LH0213335	---	---
Sample Date	21 Aug 2023	08 Sep 2022	---	---
Machine Hours	3000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	115	73.4	---	---
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CONTAMINATION

Silicon	ppm	6	5	---	---
Sodium	ppm	11	17	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	37	19	---	---
Copper	ppm	21	25	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1775	2437	---	---
Magnesium	ppm	2	9	---	---
Zinc	ppm	696	980	---	---
Phosphorus	ppm	1276	1334	---	---
Barium	ppm	0	0	---	---
Boron	ppm	154	64	---	---

T:
F:

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: KEYJER
Unique No: 10616389
Signed: Don Baldrige
Report Date: 23 Aug 2023



GRAPHS

