

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-121539 - Rear Left Wheel Hub

Sample No: LH0213365

Oil Type: GEAR OIL LS 80W90



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



SAMPLE INFORMATION

Sample Number	LH0213365	LH0213337	---	---
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	135	111	---	---
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T:
F:



CONTAMINATION

Silicon	ppm	3	5	---	---
Sodium	ppm	3	7	---	---
Potassium	ppm	<1	0	---	---

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	7	10	---	---
Copper	ppm	4	6	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	4	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1042	1641	---	---
Magnesium	ppm	<1	6	---	---
Zinc	ppm	363	653	---	---
Phosphorus	ppm	1228	1656	---	---
Barium	ppm	0	0	---	---
Boron	ppm	222	31	---	---

Depot: KEYJER
 Unique No: 10616392
 Signed: Don Baldrige
 Report Date: 23 Aug 2023



GRAPHS

