

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 1218-157090 - Rear Right Wheel Hub

Sample No: LH0282879

Oil Type: GEAR OIL SAE 80W90



KINDER MORGAN

4301 IVERSON

TRINITY, AL

US 35601

Contact: RICKY JOHNSON

ricky_johnson@kindermorgan.com

T:

F: (256)355-5250



Sample Information

Sample Number	LH0282879	LH0282890	LH0282901	---
Sample Date	18 May 2024	19 Apr 2024	19 Mar 2024	---
Machine Hours	1559	997	545	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	88.9	141	139	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	10	10	---
Sodium	ppm	3	2	2	---
Potassium	ppm	2	<1	<1	---



Wear Metals

Iron	ppm	27	36	34	---
Copper	ppm	12	11	10	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	<1	1	---
Aluminum	ppm	1	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	4	0	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	<1	0	<1	---



Additives

Calcium	ppm	181	118	139	---
Magnesium	ppm	30	5	<1	---
Zinc	ppm	122	25	19	---
Phosphorus	ppm	530	1406	1382	---
Barium	ppm	0	2	0	---
Boron	ppm	6	6	3	---

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 oil viscosity is lower than normal. Confirm oil type.

Depot: KINTRI

Unique No: 11049372

Signed: Don Baldrige

Report Date: 30 May 2024



Graphs

