

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 1227-155752 - Rear Left Wheel Hub

Sample No: LH0280578

Oil Type: GEAR OIL SAE 80W90



KINDER MORGAN
4301 IVERSON
TRINITY, AL
US 35601
Contact: CHIP OAKES

T: (256)350-0006
F: (256)355-5250



SAMPLE INFORMATION

Sample Number	LH0280578	LH0280567	---	---
Sample Date	20 Feb 2024	11 Jan 2024	---	---
Machine Hours	1022	507	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	150	173	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	8	8	---	---
Sodium	ppm	2	5	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	72	20	---	---
Copper	ppm	28	0	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	107	136	---	---
Magnesium	ppm	0	2	---	---
Zinc	ppm	23	18	---	---
Phosphorus	ppm	1445	1345	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	6	5	---	---

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: KINTRI
Unique No: 10898747
Signed: Don Baldrige
Report Date: 28 Feb 2024



GRAPHS

