

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 155976-1227 - Front Right Wheel Hub

Sample No: LH0280566

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	LH0280566	---	---	---
Sample Date	30 Jan 2024	---	---	---
Machine Hours	534	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 172	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 33	---	---	---
Copper	ppm	● 0	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 147	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 4	---	---	---
Phosphorus	ppm	● 1281	---	---	---
Barium	ppm	● 5	---	---	---
Boron	ppm	● 8	---	---	---

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: 10863764
Signed: Wes Davis
Report Date: 07 Feb 2024



GRAPHS

