

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 155976-1227 - Rear Differential

Sample No: LH0280571

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

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.



SAMPLE INFORMATION

Sample Number	LH0280571	LH0280560	---	---
Sample Date	23 Feb 2024	30 Jan 2024	---	---
Machine Hours	995	534	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 157	● 156	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 16	● 15	---	---
Sodium	ppm	● 3	● 0	---	---
Potassium	ppm	● 1	● 2	---	---



WEAR METALS

Iron	ppm	● 57	● 41	---	---
Copper	ppm	● 17	● 12	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 117	● 115	---	---
Magnesium	ppm	● 2	● <1	---	---
Zinc	ppm	● 27	● 5	---	---
Phosphorus	ppm	● 1578	● 1283	---	---
Barium	ppm	● 0	● 6	---	---
Boron	ppm	● 14	● 17	---	---

Depot: KINTRI
Unique No: 10902896
Signed: Wes Davis
Report Date: 01 Mar 2024



GRAPHS

