

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 1227-155752 - Front Left Wheel Hub

Sample No: LH0280587

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0280587	LH0280576	LH0280565	---
Sample Date	19 Mar 2024	20 Feb 2024	11 Jan 2024	---
Machine Hours	1544	1022	507	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

KINDER MORGAN

4301 IVERSON

TRINITY, AL

US 35601

Contact: CHIP OAKES



OIL CONDITION

Visc @ 40°C	cSt	120	173	150	---
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T: (256)350-0006

F: (256)355-5250



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	11	7	---
Sodium	ppm	0	3	3	---
Potassium	ppm	3	0	2	---

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	18	26	33	---
Copper	ppm	<1	0	15	---
Lead	ppm	0	<1	0	---
Tin	ppm	1	0	<1	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	2	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	244	134	106	---
Magnesium	ppm	6	0	2	---
Zinc	ppm	116	14	22	---
Phosphorus	ppm	493	1446	1253	---
Barium	ppm	0	0	2	---
Boron	ppm	3	4	6	---

Depot: KINTRI

Unique No: 10950663

Signed: Wes Davis

Report Date: 28 Mar 2024



GRAPHS

