

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 1227-155752 - Rear Left Wheel Hub

Sample No: LH0280589

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 oil viscosity is lower than normal. The condition of the oil is acceptable for the time in service.



SAMPLE INFORMATION

Sample Number	LH0280589	LH0280578	LH0280567	---
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	N/A	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	99.9	150	173	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	8	8	---
Sodium	ppm	<1	2	5	---
Potassium	ppm	<1	0	2	---



WEAR METALS

Iron	ppm	41	72	20	---
Copper	ppm	11	28	0	---
Lead	ppm	0	<1	0	---
Tin	ppm	1	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	2	<1	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	175	107	136	---
Magnesium	ppm	3	0	2	---
Zinc	ppm	93	23	18	---
Phosphorus	ppm	486	1445	1345	---
Barium	ppm	0	<1	<1	---
Boron	ppm	2	6	5	---

Depot: KINTRI
Unique No: 10950650
Signed: Don Baldrige
Report Date: 01 Apr 2024



GRAPHS

