

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 1218-157090 - Front Differential

Sample No: LH0282881

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	LH0282881	LH0282892	---	---
Sample Date	19 Apr 2024	19 Mar 2024	---	---
Machine Hours	997	545	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 162	● 163	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 6	● 5	---	---
Sodium	ppm	● 3	● 4	---	---
Potassium	ppm	● 1	● <1	---	---



Wear Metals

Iron	ppm	● 14	● 9	---	---
Copper	ppm	● 5	● 3	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● 2	---	---
Aluminum	ppm	● 1	● <1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	● <1	---	---
Vanadium	ppm	0	<1	---	---



Additives

Calcium	ppm	● 8	● 4	---	---
Magnesium	ppm	● 0	● <1	---	---
Zinc	ppm	● 0	0	---	---
Phosphorus	ppm	● 1543	● 1464	---	---
Barium	ppm	● 223	● 241	---	---
Boron	ppm	● 65	● 68	---	---

Depot: KINTRI
Unique No: 11018139
Signed: Don Baldrige
Report Date: 09 May 2024



Graphs

