

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 1218-157090 - Front Differential

Sample No: LH0282870

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. Confirm oil type.



Sample Information

Sample Number	LH0282870	LH0282881	LH0282892	---
Sample Date	18 May 2024	19 Apr 2024	19 Mar 2024	---
Machine Hours	1559	997	545	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	83.5	162	163	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	6	5	---
Sodium	ppm	3	3	4	---
Potassium	ppm	2	1	<1	---



Wear Metals

Iron	ppm	29	14	9	---
Copper	ppm	2	5	3	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	2	---
Aluminum	ppm	6	1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	5	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	<1	0	<1	---



Additives

Calcium	ppm	202	8	4	---
Magnesium	ppm	38	0	<1	---
Zinc	ppm	134	0	0	---
Phosphorus	ppm	358	1543	1464	---
Barium	ppm	7	223	241	---
Boron	ppm	10	65	68	---

Depot: KINTRI
Unique No: 11049366
Signed: Don Baldrige
Report Date: 30 May 2024



Graphs

