

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-131051 - Splitter Box

Sample No: LH0213094

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0213094	LH0213024	LH0213010	---
Sample Date	30 Aug 2023	25 Apr 2023	03 Dec 2021	---
Machine Hours	9736	0	1664	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

BOISE WHITE PAPER

3RD AVE AND HWY 11, 400 2ND ST
INTERNATIONAL FALLS, MN
US 56649
Contact: GARY MANN
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T:
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OIL CONDITION

Visc @ 40°C	cSt	92.8	107	195	---
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CONTAMINATION

Silicon	ppm	<1	<1	<1	---
Sodium	ppm	1	0	4	---
Potassium	ppm	0	2	2	---



WEAR METALS

Iron	ppm	30	17	58	---
Copper	ppm	<1	0	1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	1	2	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	53	46	44	---
Magnesium	ppm	4	8	2	---
Zinc	ppm	123	94	27	---
Phosphorus	ppm	841	919	1608	---
Barium	ppm	0	0	0	---
Boron	ppm	52	63	28	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

Depot: BOIINT
Unique No: 10633769
Signed: Sean Felton
Report Date: 08 Sep 2023



GRAPHS

