

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-116574 - Splitter Box

Sample No: LH0171134

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0171134	LH0171120	LH0171106	LH0171176
Sample Date	28 Aug 2023	27 Apr 2023	27 Jan 2023	03 Dec 2021
Machine Hours	17910	16726	14930	8820
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

BOISE WHITE PAPER

3RD AVE AND HWY 11, 400 2ND ST
INTERNATIONAL FALLS, MN
US 56649
Contact: GARY MANN
garymann@packagingcorp.com
T:
F: (218)285-5860



OIL CONDITION

Visc @ 40°C	cSt	64.7	77.6	135	127



CONTAMINATION

Element	ppm	<1	1	1	1
Silicon	ppm	<1	1	1	1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	0	<1



WEAR METALS

Element	ppm	14	20	10	14
Iron	ppm	14	20	10	14
Copper	ppm	<1	0	2	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	1	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Element	ppm	41	55	31	46
Calcium	ppm	41	55	31	46
Magnesium	ppm	2	7	2	2
Zinc	ppm	168	182	78	28
Phosphorus	ppm	649	810	1372	1421
Barium	ppm	0	0	<1	0
Boron	ppm	38	53	229	219

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: 10633776
Signed: Sean Felton
Report Date: 08 Sep 2023



GRAPHS

