

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 046903-1464 - Splitter Box

Sample No: LHMC163269

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LHMC163269	LHMC122849	LHMC163487	LH0185403
Sample Date	25 Oct 2023	06 Sep 2023	21 Mar 2023	31 Jan 2023
Machine Hours	11633	11386	10376	10059
Oil Hours	500	250	500	0
Oil Changed	N/A	Not Changd	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GENESEE AGGREGATES

PO BOX 270518
MILWAUKEE, WI
US 53227
Contact: MATT ZARNSTORFF
mzarnstorff@genagg.com
T: (414)322-8565
F: (262)968-3247



OIL CONDITION

Visc @ 40°C	cSt	98.1	103	101	110
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CONTAMINATION

Silicon	ppm	6	5	5	5
Sodium	ppm	2	1	<1	<1
Potassium	ppm	<1	0	<1	0

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.



WEAR METALS

Iron	ppm	23	25	90	89
Copper	ppm	1	0	2	1
Lead	ppm	1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	1	<1
Chromium	ppm	1	1	3	2
Molybdenum	ppm	3	1	4	5
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	2	2
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	216	169	260	174
Magnesium	ppm	25	29	33	34
Zinc	ppm	165	84	173	126
Phosphorus	ppm	712	695	702	719
Barium	ppm	0	0	0	0
Boron	ppm	11	9	17	15

Depot: GENMILLH
Unique No: 10728413
Signed: Sean Felton
Report Date: 08 Nov 2023



GRAPHS

