

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Right Final Drive

Sample No: LH0234442

Oil Type: LIEBHERR GEAR BASIC 90 LS



Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St., P.O. Box 334
 Selkirk, MB
 CA R1A 2B3
 Contact: Santiago Giraldo
 santiago.giraldo@gerdau.com
 T:
 F: (204)482-8241



SAMPLE INFORMATION

Sample Number	LH0234442	LH0150845	LH	LH0234350
Sample Date	12 Jun 2023	06 Mar 2023	09 Nov 2022	15 Sep 2022
Machine Hours	19187	17907	0	15955
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	177	190	184	176
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Silicon	ppm	13	8	80	12
Sodium	ppm	2	3	6	2
Potassium	ppm	1	<1	4	<1



WEAR METALS

Iron	ppm	42	32	208	45
Copper	ppm	4	2	7	4
Lead	ppm	<1	<1	1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	4	3	24	4
Chromium	ppm	<1	<1	3	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	2	<1
Titanium	ppm	<1	<1	2	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	11	2
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	55	38	190	41
Magnesium	ppm	13	9	52	9
Zinc	ppm	8	5	11	6
Phosphorus	ppm	2317	2415	2431	2322
Barium	ppm	0	0	0	0
Boron	ppm	5	1	5	11

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.

Depot: MANSEL
 Unique No: 5606496
 Signed: Wes Davis
 Report Date: 12 Jul 2023



GRAPHS

