

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340260)] LIEBHERR LH40C 127925-1527 - Splitter Box

Sample No: LH0270150

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0270150	LH0251576	LH0251902	LH0242652
Sample Date	27 Sep 2023	05 Apr 2023	12 Jan 2023	05 Oct 2022
Machine Hours	6592	5459	4907	4272
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CANADA IRON AND METAL CO. LTD.
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 CA M6S 2S1
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OIL CONDITION

Visc @ 40°C	cSt	83.0	82.3	86.2	89.8
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CONTAMINATION

Silicon	ppm	3	1	1	2
Sodium	ppm	1	<1	<1	1
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	17	17	12	16
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	150	195	127	122
Magnesium	ppm	1	2	2	2
Zinc	ppm	110	106	71	67
Phosphorus	ppm	1171	1287	1298	1390
Barium	ppm	<1	0	0	0
Boron	ppm	258	266	287	283

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: CAN353TOR
 Unique No: 5654988
 Signed: Wes Davis
 Report Date: 28 Sep 2023



GRAPHS

