

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(340260)] LIEBHERR LH40C 127925-1527 - Left Final Drive

Sample No: LH0277653

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0277653	LH0251577	LH0242662	LH0222695
Sample Date	07 Dec 2023	05 Apr 2023	05 Oct 2022	06 Jun 2022
Machine Hours	7010	5459	4272	3181
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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#### OIL CONDITION

Visc @ 40°C	cSt	96.1	93.4	97.1	94.5
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	2	2
Sodium	ppm	2	<1	1	1
Potassium	ppm	<1	<1	<1	2

#### 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	26	23	24	26
Copper	ppm	<1	0	0	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	1	2
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	14	11	13	8
Magnesium	ppm	2	2	1	<1
Zinc	ppm	14	14	16	13
Phosphorus	ppm	1211	1339	1352	1308
Barium	ppm	<1	0	0	<1
Boron	ppm	317	315	331	316

Depot: CAN353TOR  
 Unique No: 5695056  
 Signed: Wes Davis  
 Report Date: 09 Dec 2023



### GRAPHS

