

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363344)] LIEBHERR LH40C 135581-1527 - Right Final Drive

Sample No: LH0277712

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0277712	LH0265825	LH0256855	LH0242649
Sample Date	07 Dec 2023	27 Jun 2023	05 Apr 2023	05 Oct 2022
Machine Hours	4925	3831	3230	1988
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CANADA IRON AND METAL CO. LTD.
 3534 DUNDAS STREET WEST
 TORONTO, ON
 CA M6S 2S1
 Contact: Joshua Kiminisky
 josh@canadairon.com
 T:
 F: (416)762-1808



OIL CONDITION

Visc @ 40°C	cSt	95.8	99.0	93.2	101
-------------	-----	------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	<1	<1
Sodium	ppm	2	<1	<1	2
Potassium	ppm	<1	0	0	<1



WEAR METALS

Iron	ppm	14	14	19	16
Copper	ppm	<1	<1	0	0
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	10	6	8	10
Magnesium	ppm	1	1	2	<1
Zinc	ppm	12	11	13	16
Phosphorus	ppm	1196	1311	1363	1410
Barium	ppm	<1	0	0	1
Boron	ppm	316	307	309	283

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: CAN353TOR
 Unique No: 5695059
 Signed: Wes Davis
 Report Date: 09 Dec 2023



GRAPHS

