

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0277711

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0277711	LH0265824	LH0256854	LH0242648
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
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OIL CONDITION

Visc @ 40°C	cSt	97.8	101	92.5	101
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	1	<1
Sodium	ppm	3	<1	<1	2
Potassium	ppm	2	<1	0	<1

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	14	9	12	20
Copper	ppm	<1	<1	0	0
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	<1	0	<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	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	9	6	8	8
Magnesium	ppm	1	1	2	<1
Zinc	ppm	10	11	13	17
Phosphorus	ppm	1228	1304	1369	1446
Barium	ppm	<1	0	0	1
Boron	ppm	318	303	310	279

Depot: CAN353TOR
 Unique No: 5695011
 Signed: Wes Davis
 Report Date: 09 Dec 2023



GRAPHS

