

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340260)] LIEBHERR LH40C 127925-1527 - Swing Drive

Sample No: LH0276266

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0276266	LH0277657	LH0251575	LH0242651
Sample Date	07 May 2024	07 Dec 2023	05 Apr 2023	05 Oct 2022
Machine Hours	8032	7010	5459	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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Oil Condition

Visc @ 40°C	cSt	103	103	100	106
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Contamination

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



Wear Metals

Iron	ppm	● 22	● 38	● 51	● 184
Copper	ppm	● 14	● 18	● 13	● 17
Lead	ppm	● 0	● <1	● <1	● <1
Tin	ppm	● 0	● 0	● <1	● <1
Aluminum	ppm	● 0	● <1	● 0	● <1
Chromium	ppm	● 0	● 0	● <1	● 2
Molybdenum	ppm	● 0	● 0	● 0	● <1
Nickel	ppm	● <1	● <1	● 0	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● 0	● <1	● 0	● 0
Manganese	ppm	● 0	● 0	● <1	● 1
Vanadium	ppm	● 0	● 0	● 0	● 0



Additives

Calcium	ppm	● 7	● 13	● 10	● 17
Magnesium	ppm	● 2	● 3	● 2	● <1
Zinc	ppm	● 9	● 12	● 13	● 15
Phosphorus	ppm	● 1244	● 1194	● 1332	● 1306
Barium	ppm	● 0	● <1	● 0	● 0
Boron	ppm	● 317	● 317	● 312	● 310

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: 5775313
 Signed: Wes Davis
 Report Date: 08 May 2024



Graphs

