

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0277657

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0277657	LH0251575	LH0242651	LH0222694
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	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CANADA IRON AND METAL CO. LTD.
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 TORONTO, ON
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OIL CONDITION

Visc @ 40°C	cSt	103	100	106	105
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	1	3	2
Sodium	ppm	2	0	1	<1
Potassium	ppm	0	0	<1	<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	38	51	184	102
Copper	ppm	18	13	17	24
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	<1	2	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	0	<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	13	10	17	9
Magnesium	ppm	3	2	<1	<1
Zinc	ppm	12	13	15	11
Phosphorus	ppm	1194	1332	1306	1250
Barium	ppm	<1	0	0	<1
Boron	ppm	317	312	310	290

Depot: CAN353TOR
 Unique No: 5695055
 Signed: Wes Davis
 Report Date: 09 Dec 2023



GRAPHS

