

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363344)] LIEBHERR LH40C 135581-1527 - Splitter Box

Sample No: LH0277599

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0277599	LH0270111	LH0265822	LH0256851
Sample Date	07 Dec 2023	25 Sep 2023	27 Jun 2023	05 Apr 2023
Machine Hours	4925	4405	3831	3230
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**CANADA IRON AND METAL CO. LTD.**  
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#### OIL CONDITION

Visc @ 40°C	cSt	91.8	91.5	93.4	91.0



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	1	1
Sodium	ppm	1	1	<1	<1
Potassium	ppm	<1	<1	<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	6	8	7	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	18	16	14	16
Magnesium	ppm	1	2	2	2
Zinc	ppm	16	15	16	19
Phosphorus	ppm	1167	1278	1315	1386
Barium	ppm	<1	<1	0	0
Boron	ppm	310	302	302	294

Depot: CAN353TOR  
 Unique No: 5695058  
 Signed: Wes Davis  
 Report Date: 09 Dec 2023



### GRAPHS

