

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0270111

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0270111	LH0265822	LH0256851	LH0251905
Sample Date	25 Sep 2023	27 Jun 2023	05 Apr 2023	12 Jan 2023
Machine Hours	4405	3831	3230	2648
Oil Hours	0	0	0	0
Oil Changed	N/A	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	91.5	93.4	91.0	95.8



CONTAMINATION

Element	Unit	91.5	93.4	91.0	95.8
Silicon	ppm	2	1	1	1
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	<1	<1	<1	0



WEAR METALS

Element	Unit	91.5	93.4	91.0	95.8
Iron	ppm	8	7	10	6
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
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

Element	Unit	91.5	93.4	91.0	95.8
Calcium	ppm	16	14	16	12
Magnesium	ppm	2	2	2	2
Zinc	ppm	15	16	19	15
Phosphorus	ppm	1278	1315	1386	1353
Barium	ppm	<1	0	0	0
Boron	ppm	302	302	294	309

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: 5646340
 Signed: Wes Davis
 Report Date: 26 Sep 2023



GRAPHS

