

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340260)] LIEBHERR LH40C 127925-1527 - Splitter Box

Sample No: LH0285112

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0285112	LH0277656	LH0270150	LH0251576
Sample Date	15 Feb 2024	07 Dec 2023	27 Sep 2023	05 Apr 2023
Machine Hours	7504	7010	6592	5459
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.
 3534 DUNDAS STREET WEST
 TORONTO, ON
 CA M6S 2S1
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OIL CONDITION

Visc @ 40°C	cSt	88.9	88.2	83.0	82.3
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CONTAMINATION

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



WEAR METALS

Iron	ppm	11	11	17	17
Copper	ppm	<1	<1	2	<1
Lead	ppm	<1	<1	<1	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	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	73	84	150	195
Magnesium	ppm	2	1	1	2
Zinc	ppm	63	67	110	106
Phosphorus	ppm	1227	1160	1171	1287
Barium	ppm	0	<1	<1	0
Boron	ppm	291	291	258	266

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: CAN353TOR
Unique No: 5733538
Signed: Wes Davis
Report Date: 20 Feb 2024



GRAPHS

