

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 123508-1527 - Left Final Drive

Sample No: LH0175673

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0175673	LH0175664	LH0175655	LH0175646
Sample Date	15 Nov 2023	08 Mar 2023	27 Oct 2022	14 Dec 2021
Machine Hours	5160	4000	3000	1000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	139	139	133	146



CONTAMINATION

Element	ppm	8	8	6	2
Silicon	ppm	8	8	6	2
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	3	4	2

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

Element	ppm	68	27	51	33
Iron	ppm	68	27	51	33
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	1	<1	1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	4	2	5	5
Calcium	ppm	4	2	5	5
Magnesium	ppm	1	1	1	2
Zinc	ppm	7	5	9	9
Phosphorus	ppm	571	648	662	757
Barium	ppm	<1	<1	1	3
Boron	ppm	2	1	2	3

Depot: DOMBUR
 Unique No: 5681992
 Signed: Wes Davis
 Report Date: 16 Nov 2023



GRAPHS

