

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 124711-1215 - Splitter Box

Sample No: LHMC155855

Oil Type: GEAR OIL LS 80W90



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SAMPLE INFORMATION

Sample Number	LHMC155855	LH0253931	LH0253915	LH0236475
Sample Date	20 Dec 2023	26 Sep 2023	12 Jul 2023	21 Apr 2023
Machine Hours	4494	4000	3502	3125
Oil Hours	500	0	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	116	124	130	135
		●	●	●	●



CONTAMINATION

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



WEAR METALS

Iron	ppm	● 6	● 23	● 21	● 21
Copper	ppm	● 2	● <1	● 3	● 1
Lead	ppm	● 0	● 0	● 0	● <1
Tin	ppm	● 0	● 0	● 0	● <1
Aluminum	ppm	● <1	● 0	● <1	● 0
Chromium	ppm	● 0	● 0	● 0	● 0
Molybdenum	ppm	● 0	● 0	● 2	● 2
Nickel	ppm	● 0	● <1	● 0	● <1
Titanium	ppm	● 0	● <1	● 0	● <1
Silver	ppm	● 0	● 0	● 0	● 0
Manganese	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIVES

Calcium	ppm	● 146	164	● 145	● 131
Magnesium	ppm	● 6	10	● 9	● 9
Zinc	ppm	● 107	77	● 75	● 102
Phosphorus	ppm	● 894	955	● 993	● 1021
Barium	ppm	● 0	0	● 0	● 0
Boron	ppm	● 0	2	● 2	● 4

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: LEC0008
 Unique No: 10833605
 Signed: Wes Davis
 Report Date: 18 Jan 2024



GRAPHS

