

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Splitter Box

Sample No: LH0284999

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0284999	LH0261760	LH0266081	LH0261405
Sample Date	12 Feb 2024	06 Sep 2023	20 Jun 2023	27 Apr 2023
Machine Hours	2972	2048	1188	558
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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OIL CONDITION

Visc @ 40°C	cSt	94.8	101	121	191



CONTAMINATION

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

Iron	ppm	12	18	25	20
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	39	28	13	14
Magnesium	ppm	2	2	2	2
Zinc	ppm	29	30	21	17
Phosphorus	ppm	1240	1306	1497	1633
Barium	ppm	0	0	0	0
Boron	ppm	298	250	190	1

Depot: RAMTOR
Unique No: 5724536
Signed: Wes Davis
Report Date: 14 Feb 2024



GRAPHS

