

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Splitter Box

Sample No: LH0261760

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0261760	LH0266081	LH0261405	---
Sample Date	06 Sep 2023	20 Jun 2023	27 Apr 2023	---
Machine Hours	2048	1188	558	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	101	121	191	---
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CONTAMINATION

Silicon	ppm	<1	1	1	---
Sodium	ppm	2	2	3	---
Potassium	ppm	<1	1	2	---



WEAR METALS

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



ADDITIVES

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

RAM IRON AND METAL

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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. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RAMTOR
 Unique No: 5642263
 Signed: Kevin Marson
 Report Date: 08 Sep 2023



GRAPHS

