

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 21066 - Splitter Box

Sample No: LH0186879

Oil Type: GEAR OIL SAE 80



SAMPLE INFORMATION

Sample Number	LH0186879	LH0162854	---	---
Sample Date	06 Jul 2023	09 May 2022	---	---
Machine Hours	18165	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	106	● 84.8	---	---
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CONTAMINATION

Silicon	ppm	● 6	● 13	---	---
Sodium	ppm	● <1	● 2	---	---
Potassium	ppm	● <1	● 2	---	---



WEAR METALS

PQ		---	● 5	---	---
Iron	ppm	● 67	● 123	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● 3	---	---
Chromium	ppm	● <1	● 1	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	14	● 58	---	---
Magnesium	ppm	● 1	● 4	---	---
Zinc	ppm	● 50	● 141	---	---
Phosphorus	ppm	614	● 1179	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	28	● 222	---	---

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: CLOPEM
 Unique No: 5607269
 Signed: Wes Davis
 Report Date: 14 Jul 2023



GRAPHS

