

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 21066 - Front Axle

Sample No: LH0186872

Oil Type: GEAR OIL SAE 80



SAMPLE INFORMATION

Sample Number	LH0186872	LH0162852	---	---
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	---	---

CLOUTHIER VENTURES LTD.
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OIL CONDITION

Visc @ 40°C	cSt	86.3	87.1	---	---
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CONTAMINATION

Silicon	ppm	5	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	2	12	---	---

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

PQ		---	45	---	---
Iron	ppm	891	902	---	---
Copper	ppm	9	8	---	---
Lead	ppm	1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	8	9	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	9	9	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	9	8	---	---
Phosphorus	ppm	1453	1454	---	---
Barium	ppm	0	0	---	---
Boron	ppm	180	195	---	---

Depot: CLOPEM
 Unique No: 5607268
 Signed: Wes Davis
 Report Date: 14 Jul 2023



GRAPHS

