

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 21066 - Diesel Engine

Sample No: LH0186880

Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0186880	LH0162853	---	---
Sample Date	06 Jul 2023	09 May 2022	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	11.9	11.7	---	---
Oxidation (PA)	%	60	56	---	---



CONTAMINATION

Soot %	%	0.9	0.2	---	---
Nitration (PA)	%	69	53	---	---
Sulfation (PA)	%	57	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.6	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	<1	<1	---	---

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	18	8	---	---
Copper	ppm	2	3	---	---
Lead	ppm	1	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	61	60	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1070	1061	---	---
Magnesium	ppm	998	1025	---	---
Zinc	ppm	1220	1249	---	---
Phosphorus	ppm	1092	1096	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	1	---	---

Depot: CLOPEM
 Unique No: 5607063
 Signed: Wes Davis
 Report Date: 14 Jul 2023



GRAPHS

