

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 066006-1760 - Diesel Engine

Sample No: LH0262524

Oil Type: LIEBHERR MOTOROIL 5W30



#### SAMPLE INFORMATION

Sample Number	LH0262524	LHMC126780	LH0235834	---
Sample Date	11 Sep 2023	22 May 2023	16 Sep 2022	---
Machine Hours	2465	1461	10	---
Oil Hours	0	560	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

**MR BULTS INC**  
2627 E 139TH ST  
BURNHAM, IL  
US 60633  
Contact: SERVICE MANAGER



#### OIL CONDITION

Visc @ 100°C	cSt	● 11.3	● 11.8	● 12.3	---
Base Number (BN)	mg KOH/g	● 15.2	● 15.9	● 8.5	---
Oxidation (PA)	%	45	43	204	---

T: (708)868-0059  
F:

#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



#### CONTAMINATION

Soot %	%	● 0.1	● 0.1	● 0.1	---
Nitration (PA)	%	101	88	76	---
Sulfation (PA)	%	42	42	113	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	● 0.9	---
Silicon	ppm	● 16	● 10	● 10	---
Sodium	ppm	● 2	● 2	● <1	---
Potassium	ppm	● 1	● <1	● 0	---



#### WEAR METALS

Iron	ppm	● 9	● 4	● 3	---
Copper	ppm	● 3	● 2	● 12	---
Lead	ppm	● <1	● 0	● <1	---
Tin	ppm	● <1	● 0	● 0	---
Aluminum	ppm	● 2	● 7	● 5	---
Chromium	ppm	● <1	● 0	● <1	---
Molybdenum	ppm	● 6	● <1	● 44	---
Nickel	ppm	● 0	● 0	● 0	---
Titanium	ppm	0	0	● <1	---
Silver	ppm	● 0	● 0	0	---
Manganese	ppm	● <1	● 0	● 2	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	● 4267	● 4385	● 1295	---
Magnesium	ppm	● 47	66	● 887	---
Zinc	ppm	● 1180	● 1309	● 844	---
Phosphorus	ppm	● 1014	● 1071	● 765	---
Barium	ppm	● 0	● 0	● 14	---
Boron	ppm	● 227	● 255	● 130	---

Depot: MRBBURLH  
Unique No: 10700754  
Signed: Wes Davis  
Report Date: 19 Oct 2023



### GRAPHS

