

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 B2-1760-67494 - Diesel Engine

Sample No: LH0268571

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



SAMPLE INFORMATION

Sample Number	LH0268571	---	---	---
Sample Date	05 Feb 2024	---	---	---
Machine Hours	2992	---	---	---
Oil Hours	843	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: Timothy Bailey
 timothy.bailey@liebherr.com
 T:
 F: (919)329-0084



OIL CONDITION

Visc @ 100°C	cSt	● 11.2	---	---	---
Base Number (BN)	mg KOH/g	● 5.2	---	---	---
Oxidation (PA)	%	82	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	● 0.2	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 11	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 3	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

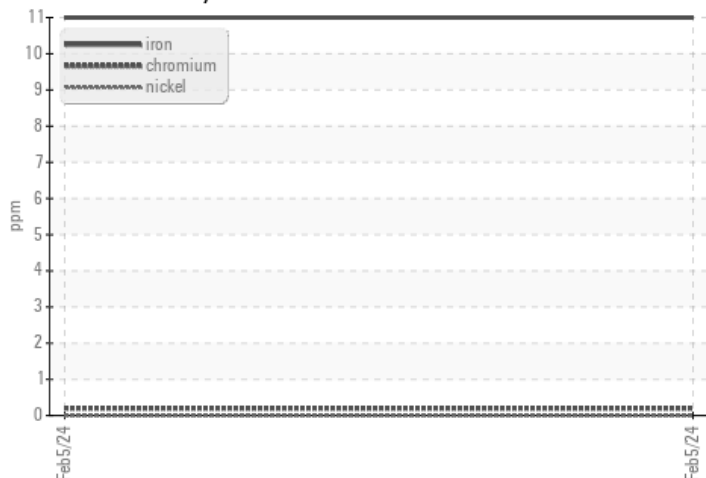
Calcium	ppm	● 1258	---	---	---
Magnesium	ppm	● 705	---	---	---
Zinc	ppm	● 812	---	---	---
Phosphorus	ppm	● 661	---	---	---
Barium	ppm	● 9	---	---	---
Boron	ppm	● 49	---	---	---

Depot: LIEBHERRNC
 Unique No: 10863276
 Signed: Don Baldrige
 Report Date: 07 Feb 2024

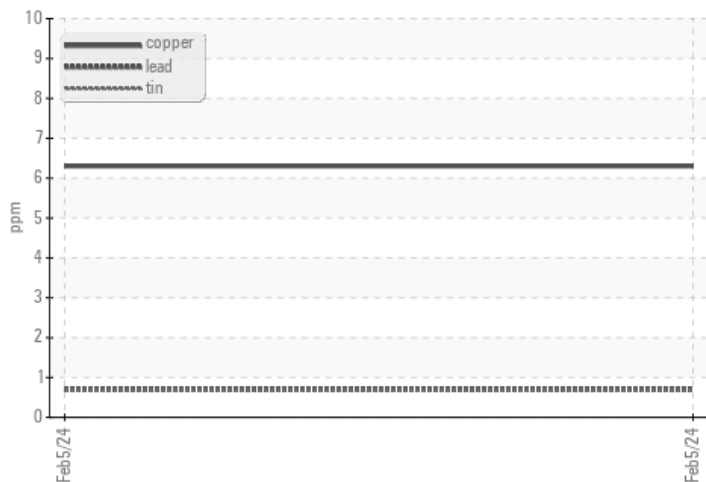


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

