

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 1334-48061 - Main Engine

Sample No: LH0268745

Oil Type: LIEBHERR MOTOROIL 5W30



Sample Information

Sample Number	LH0268745	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	9092	---	---	---
Oil Hours	1130	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
RALEIGH, NC

US 27603

Contact: Timothy Bailey

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T:

F: (919)329-0084



Oil Condition

Visc @ 100°C	cSt	12.0	---	---	---
Base Number (BN)	mg KOH/g	6.3	---	---	---
Oxidation (PA)	%	67	---	---	---



Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---



Wear Metals

Iron	ppm	5	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	7	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	1415	---	---	---
Magnesium	ppm	784	---	---	---
Zinc	ppm	945	---	---	---
Phosphorus	ppm	822	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	29	---	---	---

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.

Depot: LIEBHERRNC

Unique No: 11096122

Signed: Don Baldrige

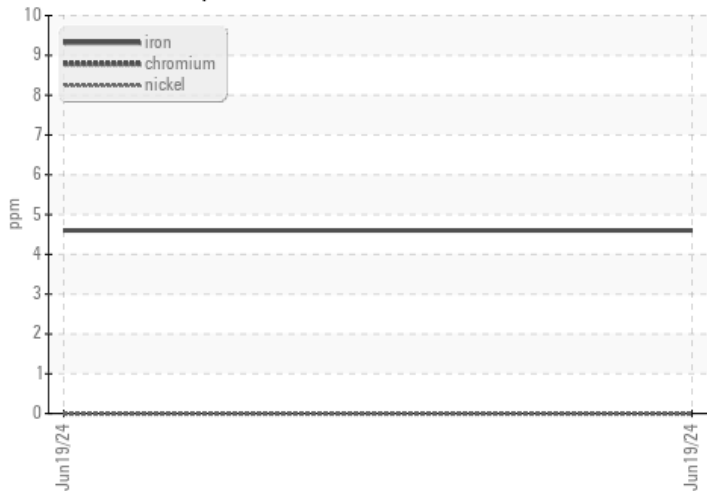
Report Date: 25 Jun 2024

Submitted By: SHERWOOD LUCAS

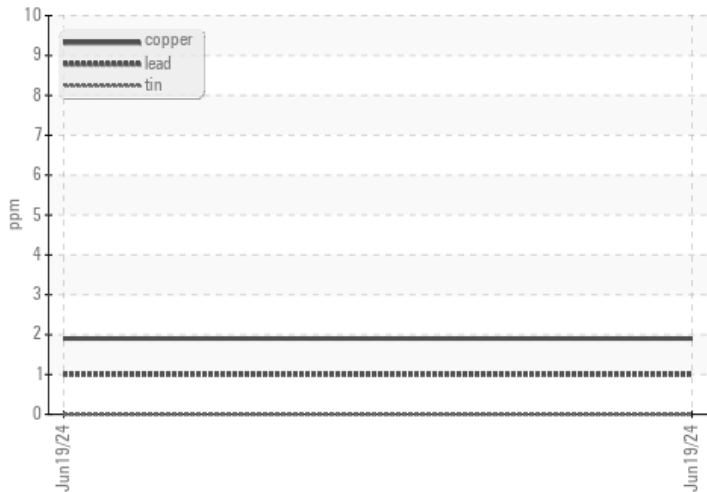


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

