

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L546 073065-1874 - Diesel Engine

Sample No: LH0268780

Oil Type: LIEBHERR MOTOROIL 10W-40



#### Sample Information

Sample Number	LH0268780	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	1005	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**RECYCLE WEST VIRGINIA**  
 951 VIROINIAN IND PARK  
 PRINCETON, WV  
 US 24740  
 Contact: MARK ANDERSON



#### Oil Condition

Visc @ 100°C	cSt	13.2	---	---	---
Base Number (BN)	mg KOH/g	8.0	---	---	---
Oxidation (PA)	%	81	---	---	---

T: (276)698-1650  
 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

Water	%	NEG	---	---	---
Soot %	%	0.3	---	---	---
Nitration (PA)	%	79	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	1	---	---	---



#### Wear Metals

Iron	ppm	16	---	---	---
Copper	ppm	21	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	11	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

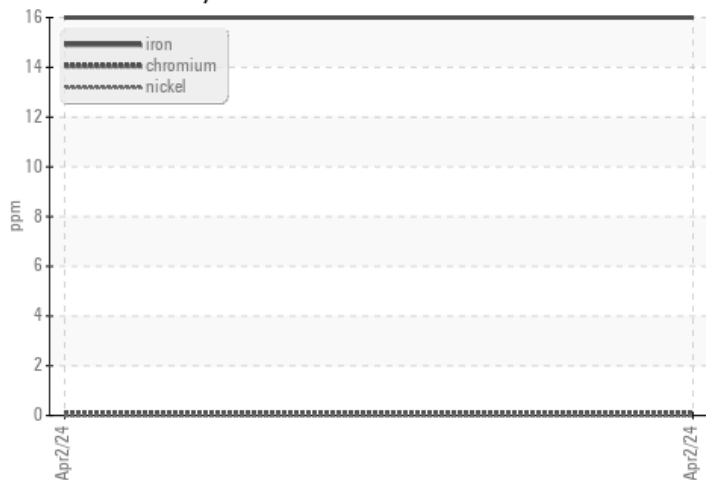
Calcium	ppm	1343	---	---	---
Magnesium	ppm	846	---	---	---
Zinc	ppm	929	---	---	---
Phosphorus	ppm	800	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	142	---	---	---

**Depot:** RECPRI  
**Unique No:** 10993763  
**Signed:** Wes Davis  
**Report Date:** 24 Apr 2024

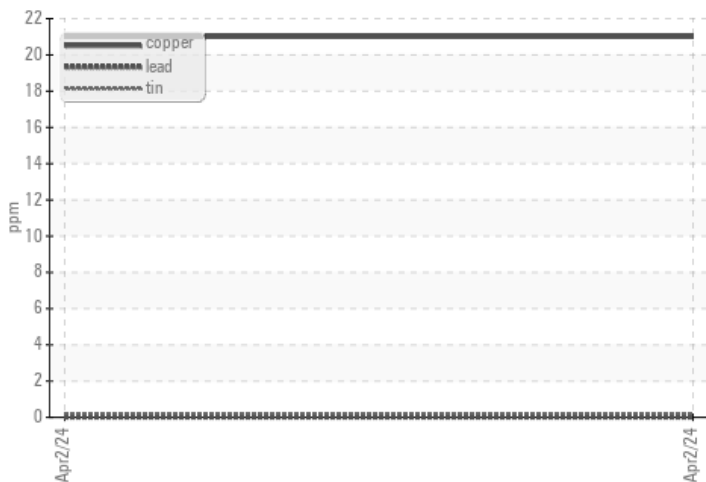


### Graphs

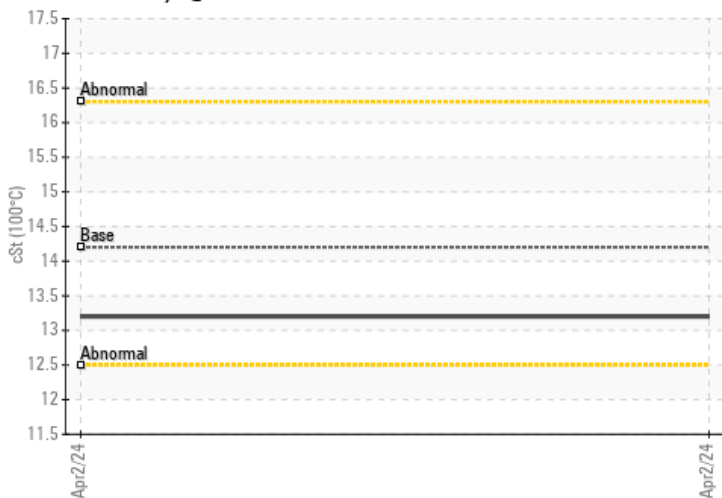
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 100°C



#### Base Number

