

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR716 016316-1422 - Diesel Engine

Sample No: LH0257592

Oil Type: LIEBHERR MOTOROIL 10W-40 LOW ASH



CENTRAL POWER SYSTEMS AND SERVICES - LIBERTY  
1900 PLUMBERS WAY  
LIBERTY, MO  
US  
Contact: BROCK MCNEIL  
brock.mcneil@cpower.com  
T:  
F:



#### SAMPLE INFORMATION

Sample Number	LH0257592	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	1225	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	14.9	---	---	---
Base Number (BN)	mg KOH/g	6.7	---	---	---
Oxidation (PA)	%	97	---	---	---



#### CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	92	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	6	---	---	---



#### WEAR METALS

Iron	ppm	17	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	27	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1913	---	---	---
Magnesium	ppm	660	---	---	---
Zinc	ppm	1306	---	---	---
Phosphorus	ppm	1069	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	71	---	---	---

#### Diagnosis

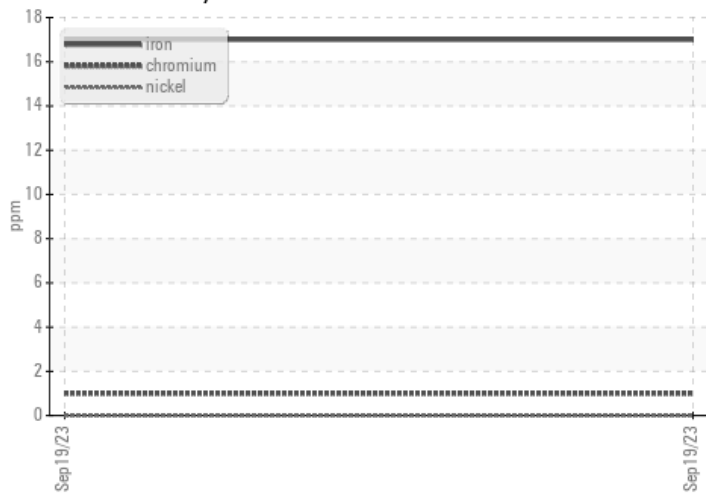
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: CENLIB  
Unique No: 10671736  
Signed: Angela Borella  
Report Date: 02 Oct 2023

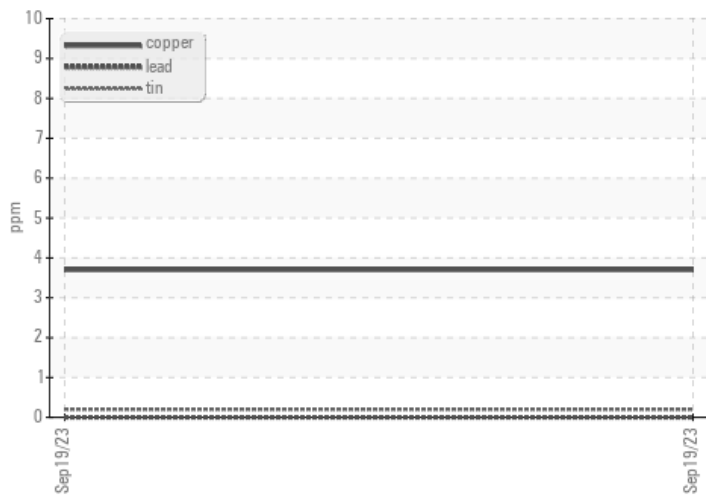


### GRAPHS

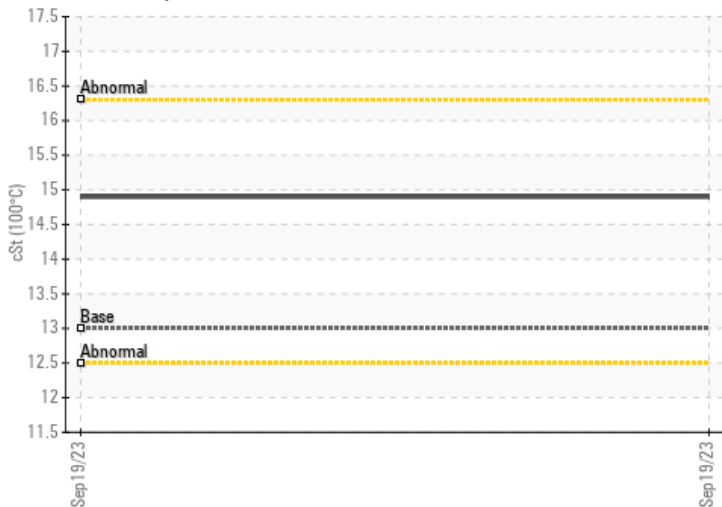
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

