

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 155277-1218 - Swing Drive

Sample No: LH0243740

Oil Type: GL-5 80W90



#### SAMPLE INFORMATION

Sample Number	LH0243740	---	---	---
Sample Date	17 Feb 2024	---	---	---
Machine Hours	701	---	---	---
Oil Hours	701	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### NUCOR STEEL

2911 E NUCOR RD  
NORFOLK, NE  
US 68702

Contact: MARK EICHBERGER  
mark.eichberger@nucor.com  
T: (402)750-5100  
F: (402)644-0389



#### OIL CONDITION

Visc @ 40°C	cSt	● 179	---	---	---
-------------	-----	-------	-----	-----	-----



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 1	---	---	---

#### 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 condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 158	---	---	---
Copper	ppm	● 44	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

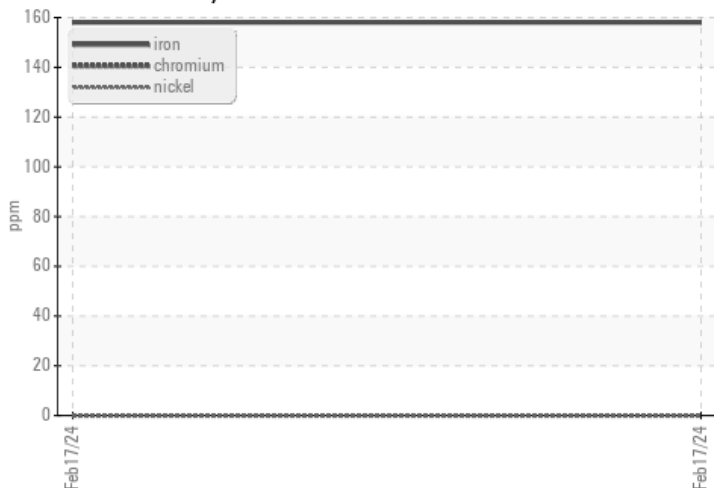
Calcium	ppm	104	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	47	---	---	---
Phosphorus	ppm	2185	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	4	---	---	---

Depot: NUCNOR  
Unique No: 10900840  
Signed: Don Baldrige  
Report Date: 29 Feb 2024

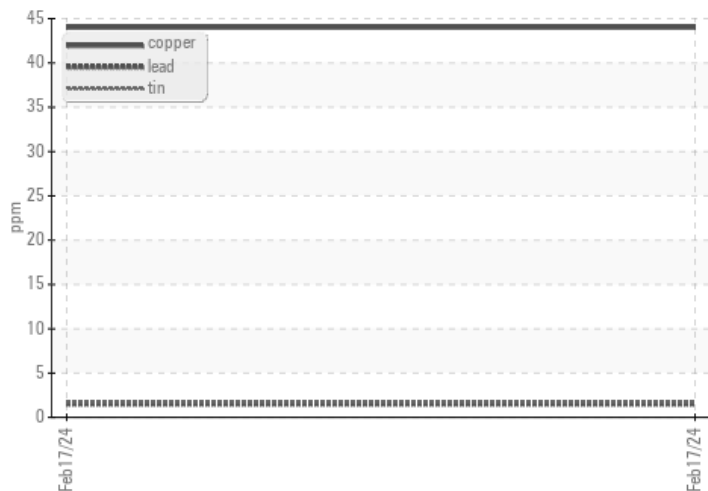


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

