

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80 124551 - Swing Drive

Sample No: LH0243771

Oil Type: UNITED GL-5 80W90 LTD SLIP



SAMPLE INFORMATION

Sample Number	LH0243771	---	---	---
Sample Date	08 Jul 2023	---	---	---
Machine Hours	7992	---	---	---
Oil Hours	736	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

NUCOR STEEL

2911 E NUCOR RD
NORFOLK, NE
US 68702

Contact: MARK EICHBERGER
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OIL CONDITION

Visc @ 40°C	cSt	● 100	---	---	---
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CONTAMINATION

Water	%	● 0.769	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 440	---	---	---
Copper	ppm	● 137	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 3	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	10	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	14	---	---	---
Phosphorus	ppm	1411	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	283	---	---	---

Diagnosis

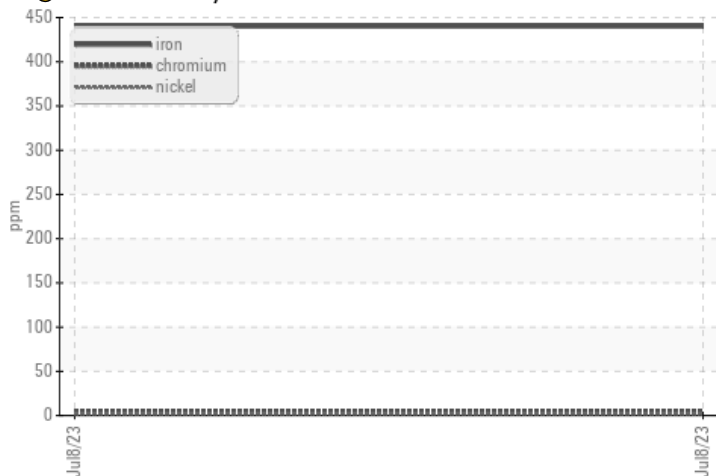
We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: NUCNOR
Unique No: 10561615
Signed: Sean Felton
Report Date: 19 Jul 2023

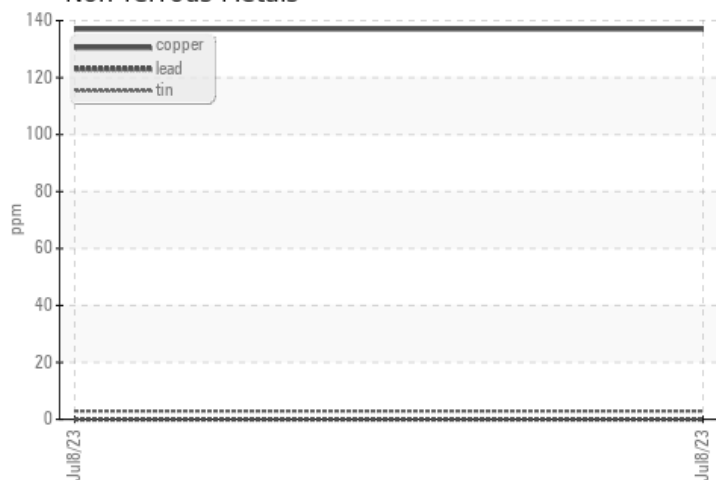


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

