

LIEBHERR

CONSTRUCTION EQUIPMENT



LINKBELT N8X1001 - Hydraulic System

Sample No: LH0267655

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

Sample Number	LH0267655	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	19078	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	56.5	---	---	---
Acid Number (AN)	mg KOH/g	0.32	---	---	---



CONTAMINATION

Particles >4µm		42018	---	---	---
Particles >6µm		5268	---	---	---
Particles >14µm		114	---	---	---
ISO 4406:1999 (c)		23/20/14	---	---	---
Silicon	ppm	1	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	5	---	---	---
Molybdenum	ppm	8	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	110	---	---	---
Magnesium	ppm	22	---	---	---
Zinc	ppm	412	---	---	---
Phosphorus	ppm	332	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	4	---	---	---

OZINGA MATERIALS

11701 S TORRENCE AVE
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US 60617
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Diagnosis

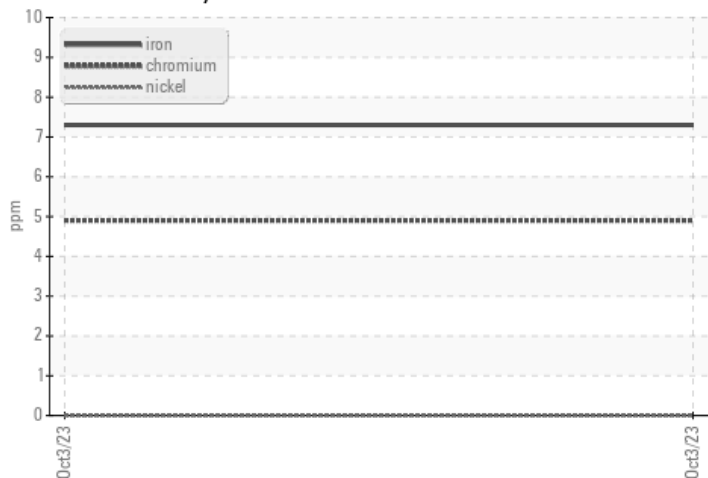
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

Depot: CHICHILH
Unique No: 10700860
Signed: Don Baldrige
Report Date: 21 Oct 2023

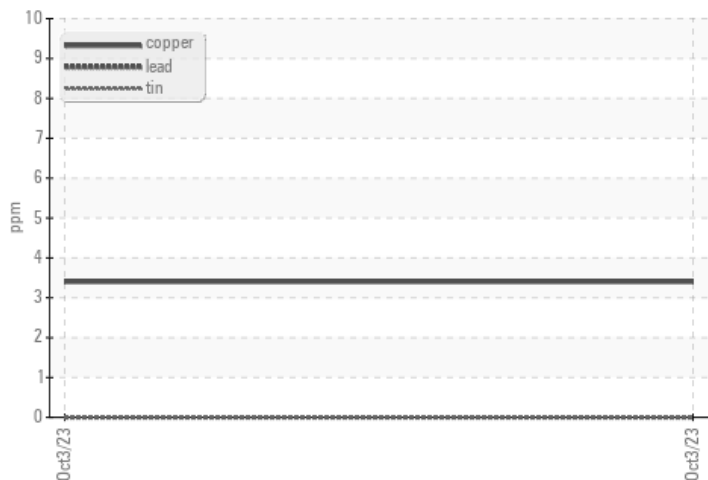


GRAPHS

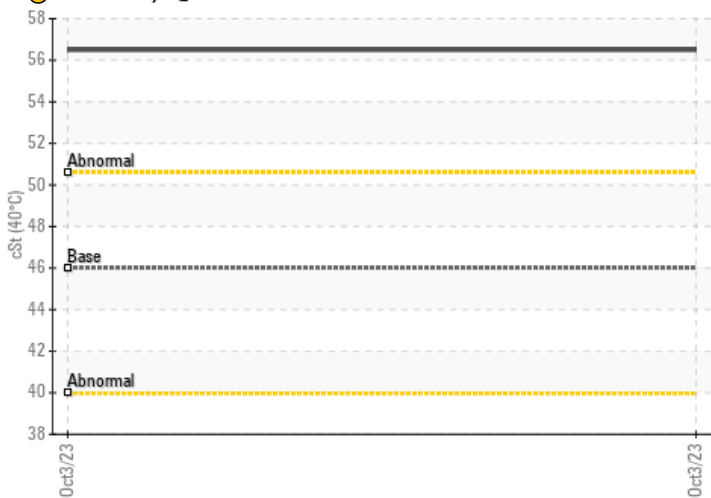
Ferrous Alloys



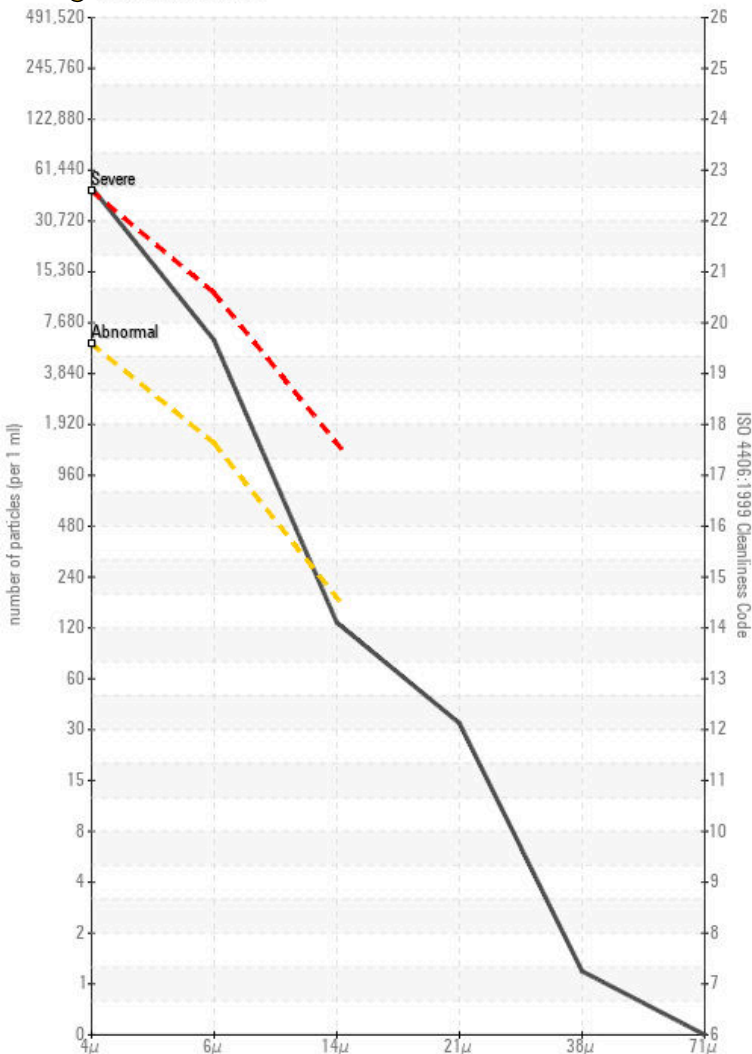
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

