

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 8130.1185341 - Auxiliary Winch

Sample No: LH0272553

Oil Type: LIEBHERR



SAMPLE INFORMATION

Sample Number	LH0272553	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	464	---	---	---
Oil Hours	464	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

OBUYASHI
 5308 SMOTHERS RD
 WESTERVILLE, OH
 US 43081
 Contact: DEREK BRYSON
 derek.bryson@obayashi-usa.com
 T: (650)541-6680
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 224	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	● 0.271	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● <1	---	---	---

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 31	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

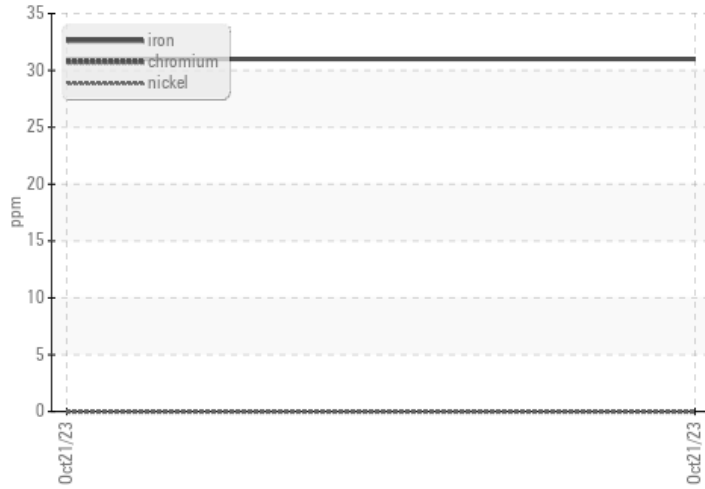
Calcium	ppm	19	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	20	---	---	---
Phosphorus	ppm	339	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	21	---	---	---

Depot: OBAWES
Unique No: 10725898
Signed: Don Baldrige
Report Date: 06 Nov 2023

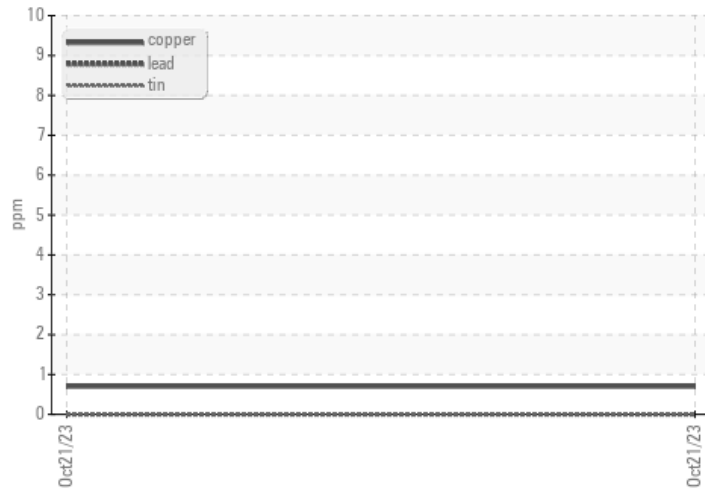


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

