

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR776 15946 - Hydraulic System

Sample No: LH0272633

Oil Type: MOBIL MOBILTRANS AST 30



**LIEBHERR MINING EQUIPMENT CO**  
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#### Sample Information

Sample Number	LH0272633	LHMC105939	LH0220506	LH0220568
Sample Date	30 Jun 2024	14 May 2024	14 Oct 2023	10 May 2023
Machine Hours	0	11418	8488	9275
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL



#### Oil Condition

Visc @ 40°C	cSt	43.7	43.4	46.9	46.2
Acid Number (AN)	mg KOH/g	1.38	1.09	1.15	0.51



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		51943	40989	12254	68544
Particles >6µm		12978	2279	354	11828
Particles >14µm		202	31	7	166
ISO 4406:1999 (c)		23/21/15	23/18/12	21/16/10	23/21/15
Silicon	ppm	5	5	4	5
Sodium	ppm	10	4	2	2
Potassium	ppm	4	2	0	0



#### Wear Metals

Iron	ppm	14	6	5	7
Copper	ppm	11	7	<1	<1
Lead	ppm	2	<1	0	0
Tin	ppm	1	<1	0	0
Aluminum	ppm	2	2	<1	2
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	0	<1	<1	2
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	2135	1763	1701	1026
Magnesium	ppm	10	10	7	6
Zinc	ppm	983	833	852	684
Phosphorus	ppm	827	723	699	564
Barium	ppm	0	0	0	0
Boron	ppm	<1	5	7	12

#### Diagnosis

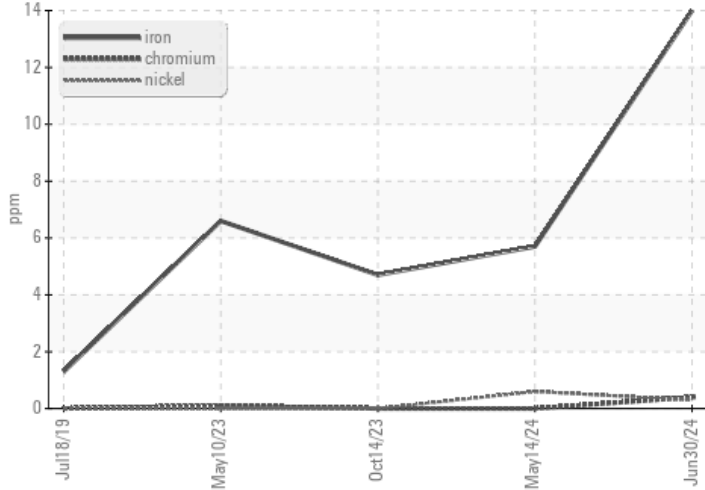
We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LIEGIL  
 Unique No: 11103194  
 Signed: Don Baldrige  
 Report Date: 03 Jul 2024

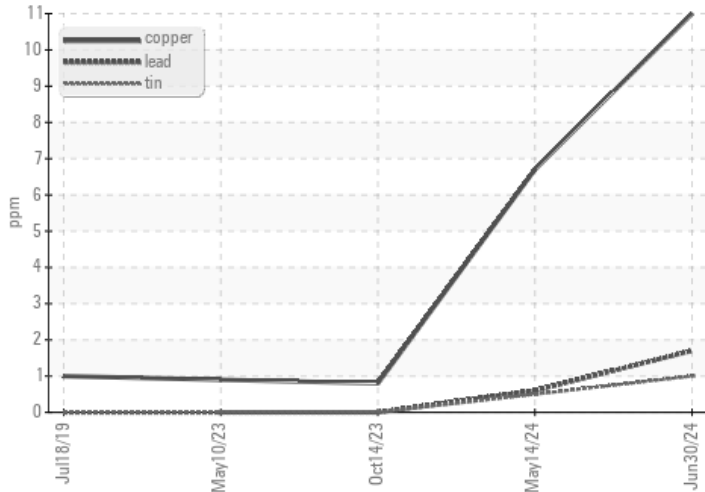


### Graphs

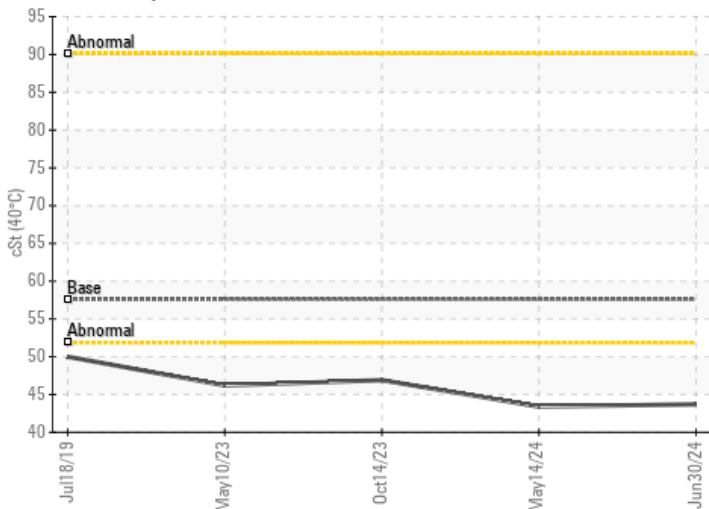
#### Ferrous Alloys



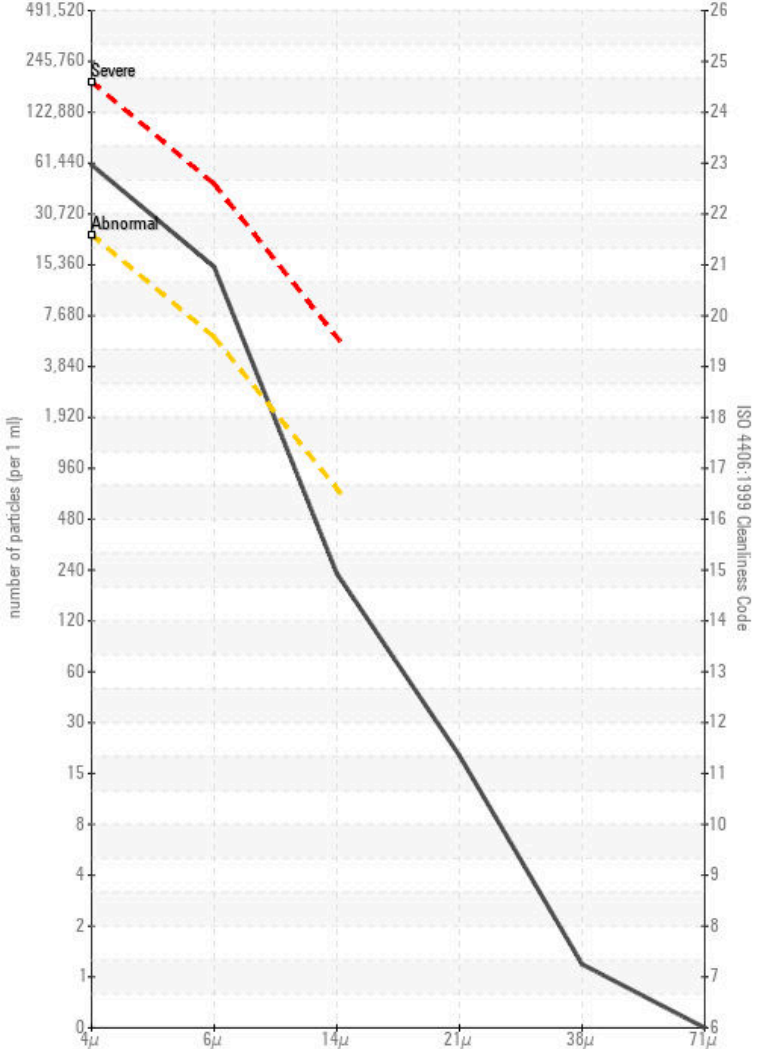
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

