

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 1200-72683 - Hydraulic System

Sample No: LH06062595

Oil Type: AW HYDRAULIC OIL ISO 46



SPARTAN RECYCLING
3071 HOWARD ST
SPARTANBURG, SC
US 29303
Contact: SERVICE MANAGER



SAMPLE INFORMATION

Sample Number	LH06062595	LH0235770	LH0217616	LHMC133977
Sample Date	12 Jan 2024	27 Sep 2023	23 Mar 2023	06 Sep 2022
Machine Hours	14822	14243	13667	12693
Oil Hours	0	0	1000	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	MARGINAL	MARGINAL



OIL CONDITION

Visc @ 40°C	cSt	53.7	54.9	54.9	57.09
Acid Number (AN)	mg KOH/g	0.38	0.30	0.31	0.38



CONTAMINATION

Water	%	NEG	0.079	NEG	NEG
Particles >4µm		---	---	7779	6487
Particles >6µm		---	---	785	1474
Particles >14µm		---	---	22	56
ISO 4406:1999 (c)		---	---	20/17/12	20/18/13
Silicon	ppm	2	2	<1	1
Sodium	ppm	1	0	1	0
Potassium	ppm	<1	<1	<1	0



WEAR METALS

Iron	ppm	16	20	20	22
Copper	ppm	2	3	3	3
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	2	2	2	1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	28	27	29	29
Magnesium	ppm	24	26	30	21
Zinc	ppm	270	297	307	308
Phosphorus	ppm	275	265	288	309
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

T:
F:

Diagnosis

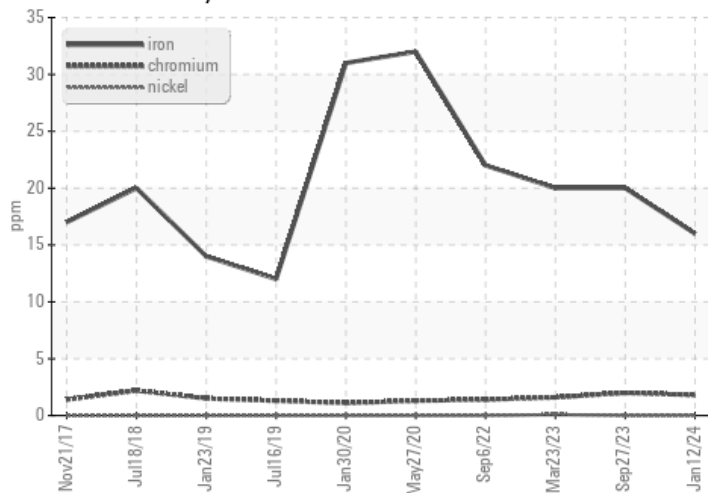
We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: SPASPALH
Unique No: 10833977
Signed: Jonathan Hester
Report Date: 19 Jan 2024

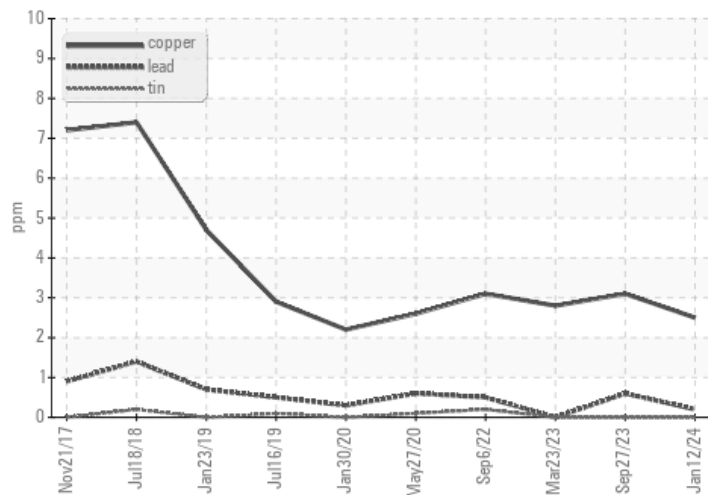


GRAPHS

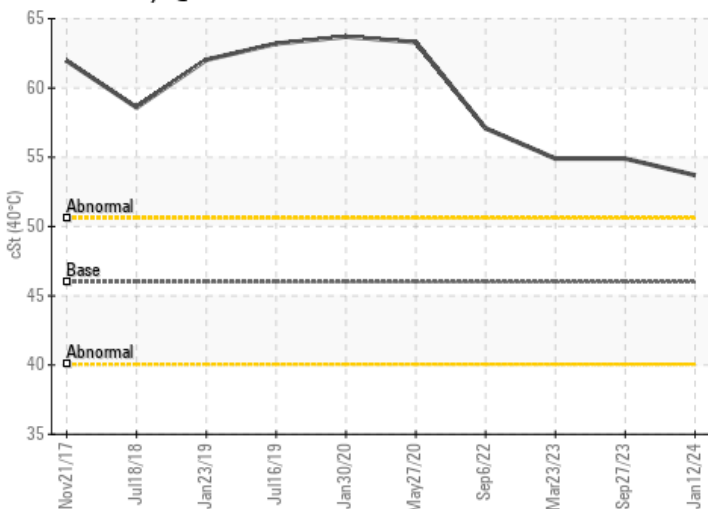
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

