

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Hydraulic System

Sample No: LH0206473

Oil Type: AW HYDRAULIC OIL ISO 46



DAVIS TRADING & SUPPLY LTD.
110 GRANT STREET
VANCOUVER, BC
CA V6A 2J6
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0206473	LH0149678	LH0191766	LH0185877
Sample Date	28 Sep 2021	30 Jun 2021	09 Apr 2021	17 Dec 2020
Machine Hours	3499	2996	2453	1856
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	44.6	43.0	43.1	43.8
Acid Number (AN)	mg KOH/g	---	1.07	---	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	0.022	0.049
Particles >4µm		7253	260	5197	74920
Particles >6µm		2118	40	1441	28613
Particles >14µm		143	3	104	1384
ISO 4406:1999 (c)		20/18/14	15/12/9	20/18/14	23/22/18
Silicon	ppm	1	1	1	1
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	1	<1	2

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	37	32	21	16
Copper	ppm	5	6	5	5
Lead	ppm	1	1	1	1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	3	<1	<1	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

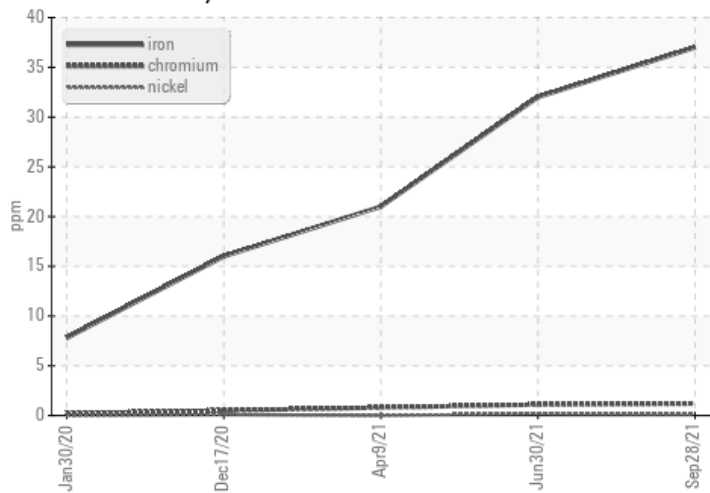
Calcium	ppm	680	827	820	822
Magnesium	ppm	49	6	5	4
Zinc	ppm	634	602	576	579
Phosphorus	ppm	544	488	461	473
Barium	ppm	0	<1	<1	<1
Boron	ppm	<1	<1	<1	<1

Depot: DAV110VAN
Unique No: 5291154
Signed: Kevin Marson
Report Date: 04 Oct 2021

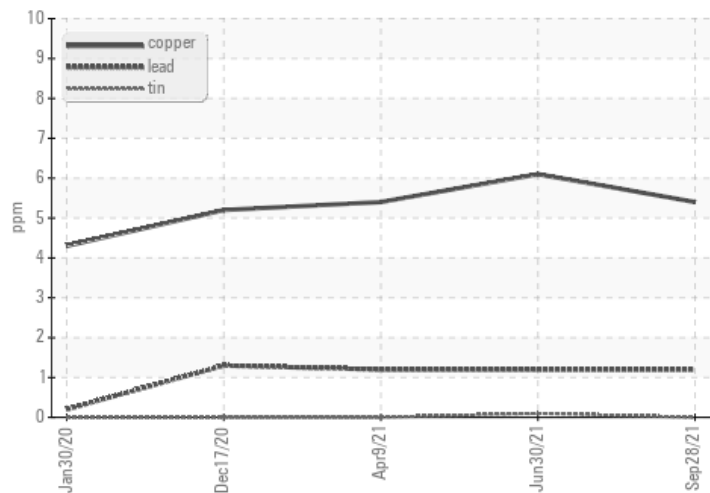


GRAPHS

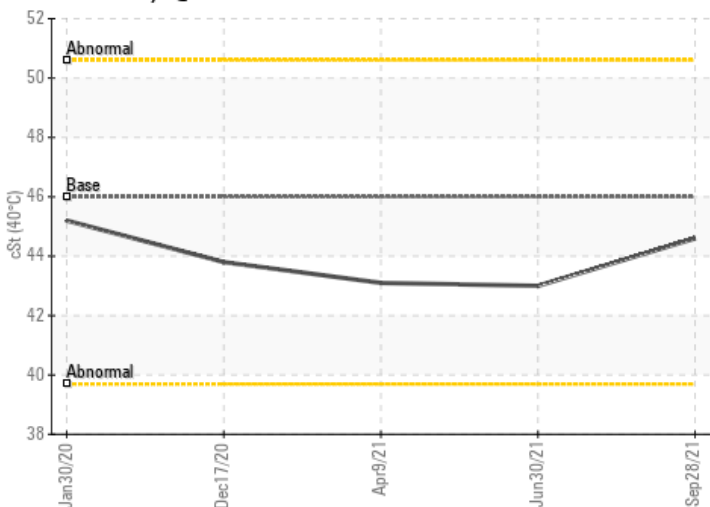
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

