

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Hydraulic System

Sample No: LH0191766

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	LH0191766	LH0185877	LH0162103	---
Sample Date	09 Apr 2021	17 Dec 2020	30 Jan 2020	---
Machine Hours	2453	1856	570	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	43.1	43.8	45.2	---
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CONTAMINATION

Water	%	0.022	0.049	0.024	---
Particles >4µm		5197	74920	2026	---
Particles >6µm		1441	28613	296	---
Particles >14µm		104	1384	40	---
ISO 4406:1999 (c)		20/18/14	23/22/18	18/15/12	---
Silicon	ppm	1	1	<1	---
Sodium	ppm	2	2	2	---
Potassium	ppm	<1	2	2	---



WEAR METALS

Iron	ppm	21	16	8	---
Copper	ppm	5	5	4	---
Lead	ppm	1	1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	820	822	1163	---
Magnesium	ppm	5	4	5	---
Zinc	ppm	576	579	584	---
Phosphorus	ppm	461	473	508	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	<1	<1	<1	---

T:
F:

Diagnosis

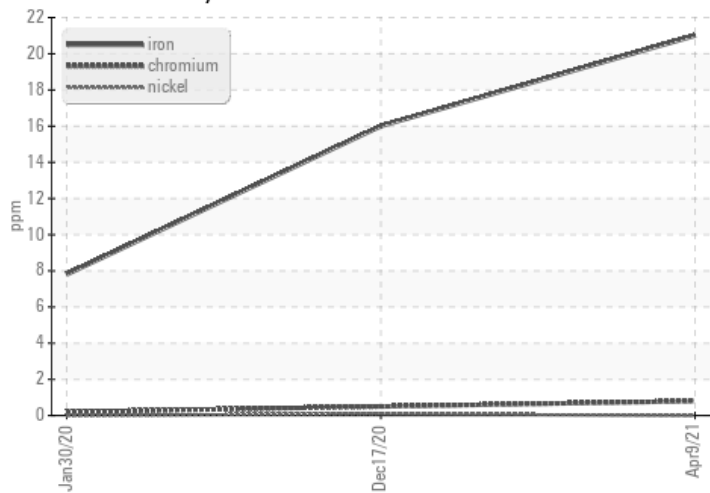
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in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

Depot: DAV110VAN
 Unique No: 5203099
 Signed: Kevin Marson
 Report Date: 17 Apr 2021

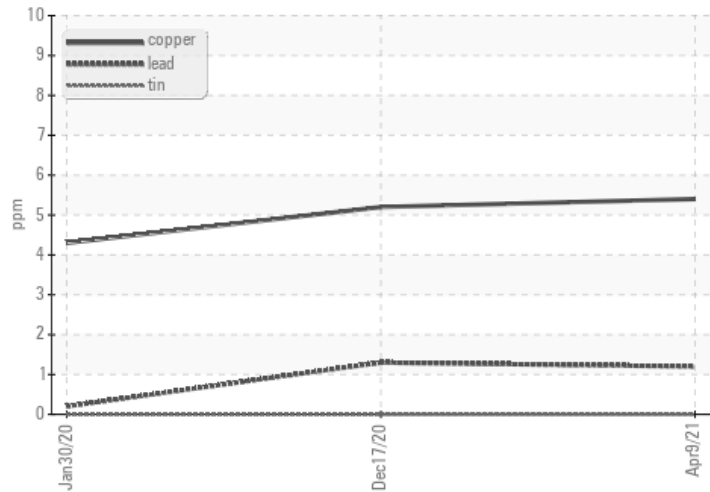


GRAPHS

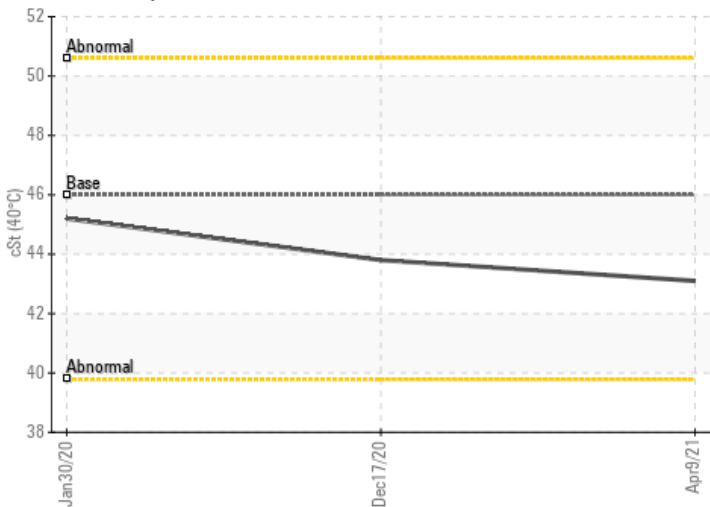
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

