

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Hydraulic System

Sample No: LH0234121

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0234121	LH0215034	LH0206473	LH0149678
Sample Date	28 Jun 2022	09 Dec 2021	28 Sep 2021	30 Jun 2021
Machine Hours	5138	3953	3499	2996
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	43.1	44.5	44.6	43.0
Acid Number (AN)	mg KOH/g	---	---	---	1.07

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		12294	3812	7253	260
Particles >6µm		2722	522	2118	40
Particles >14µm		121	20	143	3
ISO 4406:1999 (c)		21/19/14	19/16/11	20/18/14	15/12/9
Silicon	ppm	<1	1	1	1
Sodium	ppm	<1	3	2	2
Potassium	ppm	<1	3	<1	1

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	20	32	37	32
Copper	ppm	4	4	5	6
Lead	ppm	1	<1	1	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	1	2	1	1
Molybdenum	ppm	<1	2	3	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

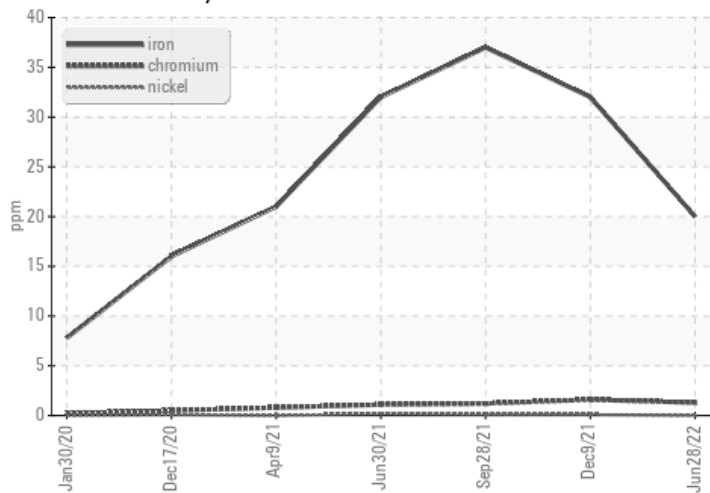
Calcium	ppm	226	504	680	827
Magnesium	ppm	14	36	49	6
Zinc	ppm	618	666	634	602
Phosphorus	ppm	486	560	544	488
Barium	ppm	0	0	0	<1
Boron	ppm	<1	1	<1	<1

Depot: DAV110VAN
 Unique No: 5422569
 Signed: Wes Davis
 Report Date: 04 Jul 2022

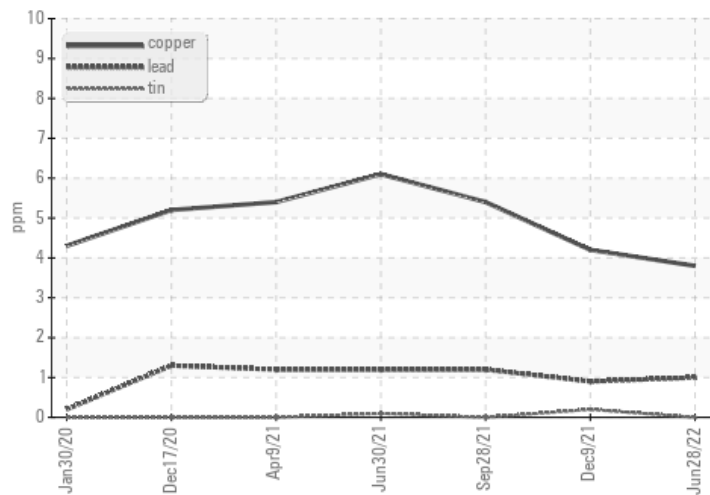


GRAPHS

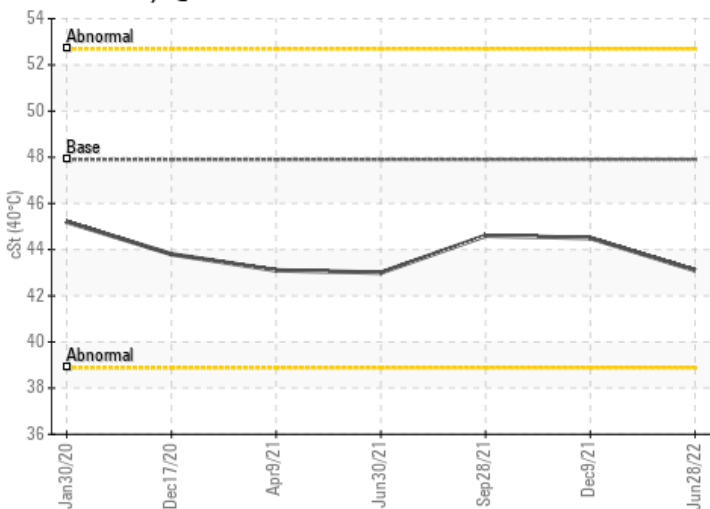
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

