

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Hydraulic System

Sample No: LH0288042

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



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



Sample Information

Sample Number	LH0288042	LH0280957	LH0242107	LH0250478
Sample Date	12 Apr 2024	19 Jan 2024	10 Oct 2023	24 Mar 2023
Machine Hours	9051	8550	7937	6744
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



Oil Condition

Visc @ 40°C	cSt	43.7	43.4	43.1	43.8
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T:
F:



Contamination

Water	%	NEG	0.004	NEG	NEG
Particles >4µm		2987	1507	495	14712
Particles >6µm		835	312	131	3889
Particles >14µm		51	27	12	218
ISO 4406:1999 (c)		19/17/13	18/15/12	16/14/11	21/19/15
Silicon	ppm	0	2	1	<1
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	0	<1	0	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	5	10	9	9
Copper	ppm	2	2	2	2
Lead	ppm	0	<1	<1	7
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	2	1	1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

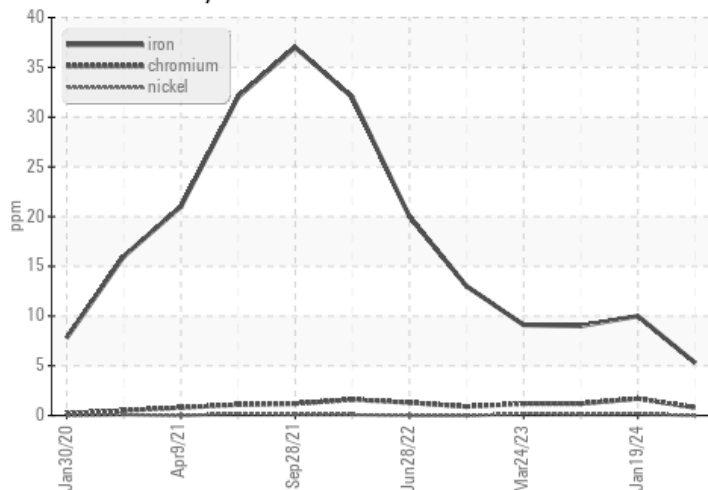
Calcium	ppm	99	63	61	90
Magnesium	ppm	2	3	3	5
Zinc	ppm	728	529	529	553
Phosphorus	ppm	569	433	417	490
Barium	ppm	0	0	<1	0
Boron	ppm	<1	<1	<1	<1

Depot: DAV110VAN
 Unique No: 5762791
 Signed: Wes Davis
 Report Date: 18 Apr 2024

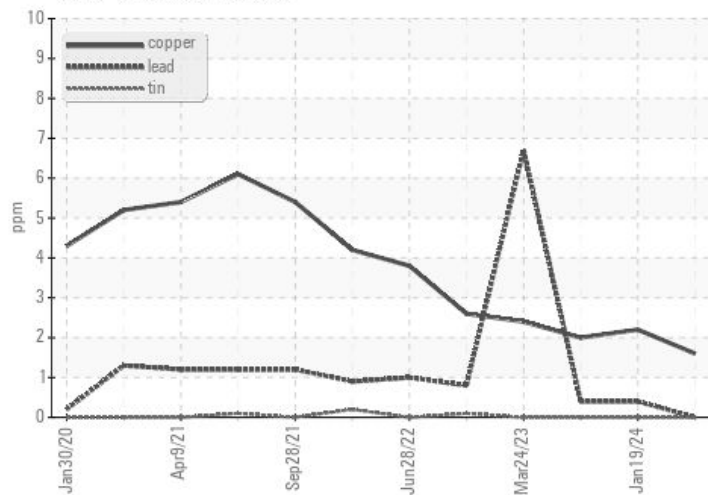


Graphs

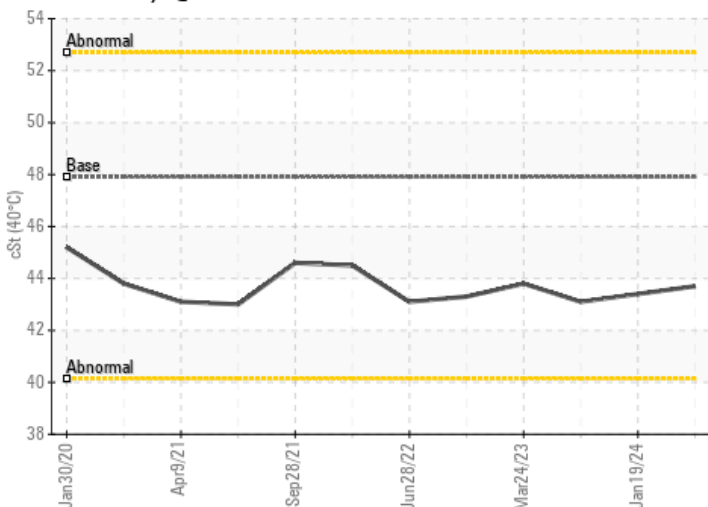
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

