

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



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SAMPLE INFORMATION

Sample Number	LH	LH0234433	LH0250037	LH0150847
Sample Date	15 Sep 2023	09 Jun 2023	28 May 2023	30 Mar 2023
Machine Hours	0	4612	4345	3398
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	44.4	42.5	42.8	43.8
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CONTAMINATION

Particles >4µm		7891	2611	44006	84835
Particles >6µm		902	534	14105	10328
Particles >14µm		28	50	973	542
ISO 4406:1999 (c)		20/17/12	19/16/13	23/21/17	24/21/16
Silicon	ppm	1	3	3	3
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	4	10	9	9
Copper	ppm	<1	2	2	2
Lead	ppm	2	4	4	3
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	2	2	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	211	662	684	726
Magnesium	ppm	24	8	8	4
Zinc	ppm	735	765	744	767
Phosphorus	ppm	578	666	658	681
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	0	<1

Diagnosis

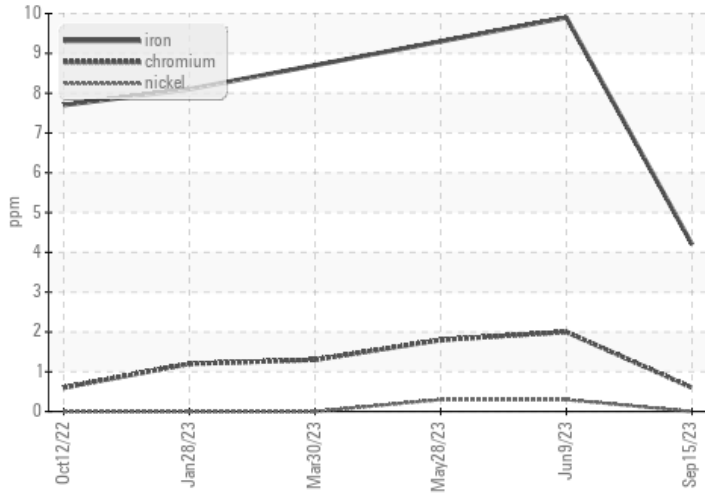
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: MANSEL
 Unique No: 5669243
 Signed: Wes Davis
 Report Date: 30 Oct 2023

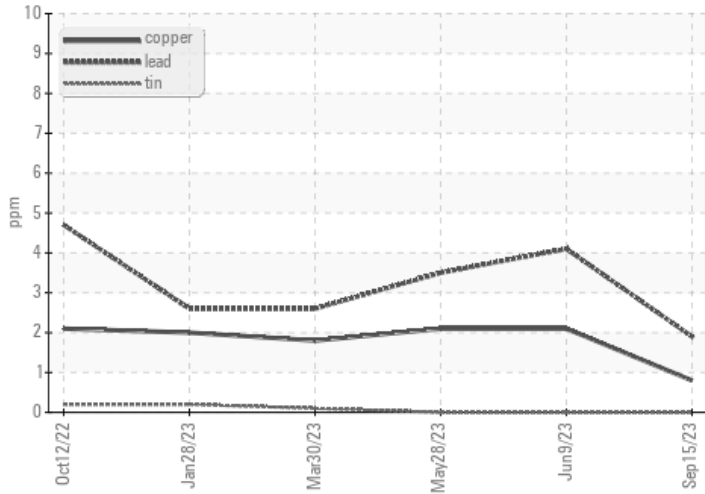


GRAPHS

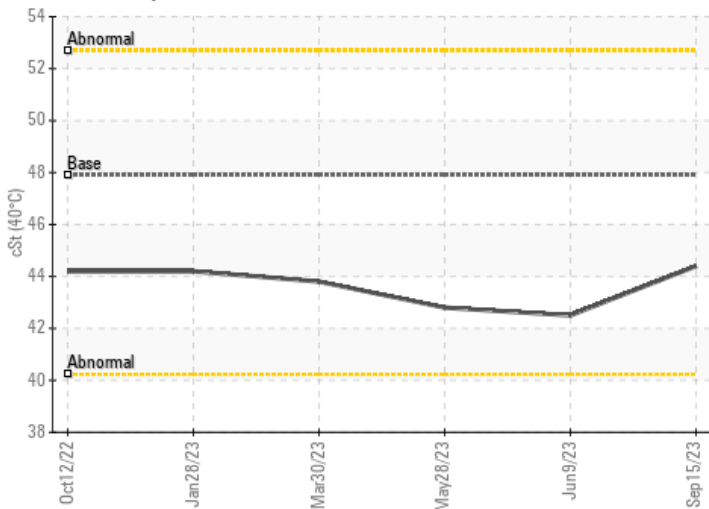
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

