

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St., P.O. Box 334
 Selkirk, MB
 CA R1A 2B3
 Contact: Santiago Giraldo
 santiago.giraldo@gerdau.com
 T:
 F: (204)482-8241



SAMPLE INFORMATION

Sample Number	LH	LH0234440	LH0250043	LH
Sample Date	23 Aug 2023	12 Jun 2023	28 May 2023	09 Nov 2022
Machine Hours	0	19187	18758	16500
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	41.2	43.3	43.7	43.6
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CONTAMINATION

Particles >4µm		4424	2464	15145	6976
Particles >6µm		1430	701	4458	1997
Particles >14µm		127	43	286	161
ISO 4406:1999 (c)		19/18/14	18/17/13	21/19/15	20/18/15
Silicon	ppm	<1	<1	1	<1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	4	4	3	6
Copper	ppm	1	1	1	1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	76	92	94	106
Magnesium	ppm	35	18	15	2
Zinc	ppm	676	762	758	844
Phosphorus	ppm	558	629	645	702
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: 5643599
 Signed: Wes Davis
 Report Date: 15 Sep 2023

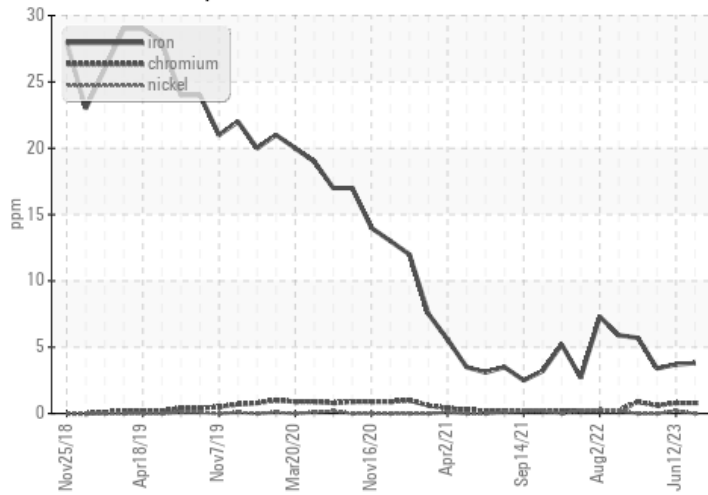
LIEBHERR

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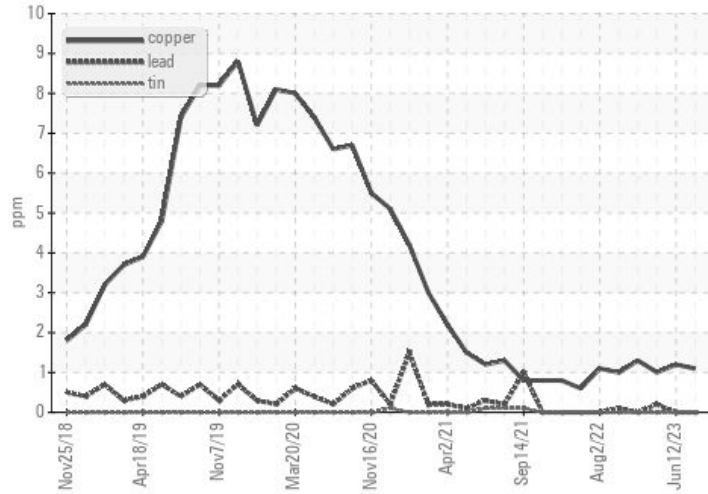


GRAPHS

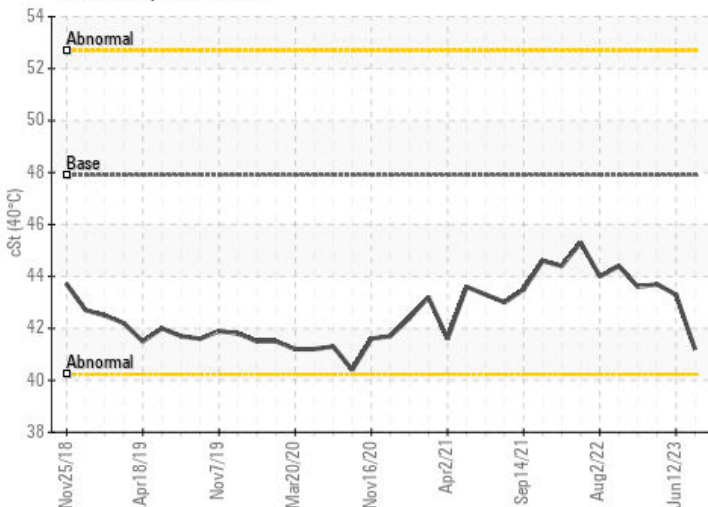
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

