

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Hydraulic System

Sample No: LH0265768

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Gerdau - Mandak Metal Processors Ltd.,
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SAMPLE INFORMATION

Sample Number	LH0265768	LH	LH0234440	LH0250043
Sample Date	28 Sep 2023	23 Aug 2023	12 Jun 2023	28 May 2023
Machine Hours	20758	0	19187	18758
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	43.7	41.2	43.3	43.7
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CONTAMINATION

Particles >4µm		3430	4424	2464	15145
Particles >6µm		940	1430	701	4458
Particles >14µm		34	127	43	286
ISO 4406:1999 (c)		19/17/12	19/18/14	18/17/13	21/19/15
Silicon	ppm	<1	<1	<1	1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

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



ADDITIVES

Calcium	ppm	85	76	92	94
Magnesium	ppm	24	35	18	15
Zinc	ppm	730	676	762	758
Phosphorus	ppm	558	558	629	645
Barium	ppm	<1	<1	0	0
Boron	ppm	<1	<1	<1	0

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: 5669239
 Signed: Wes Davis
 Report Date: 30 Oct 2023

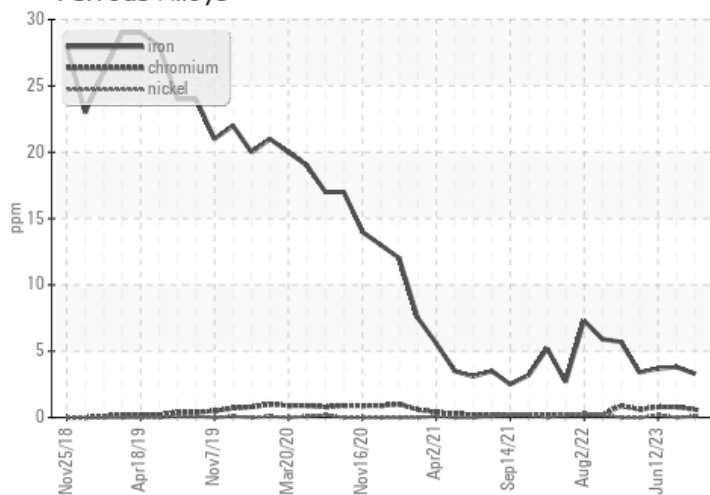
LIEBHERR

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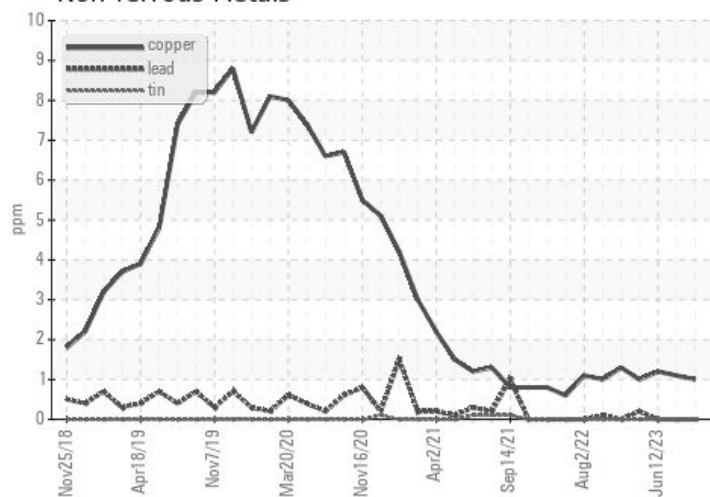


GRAPHS

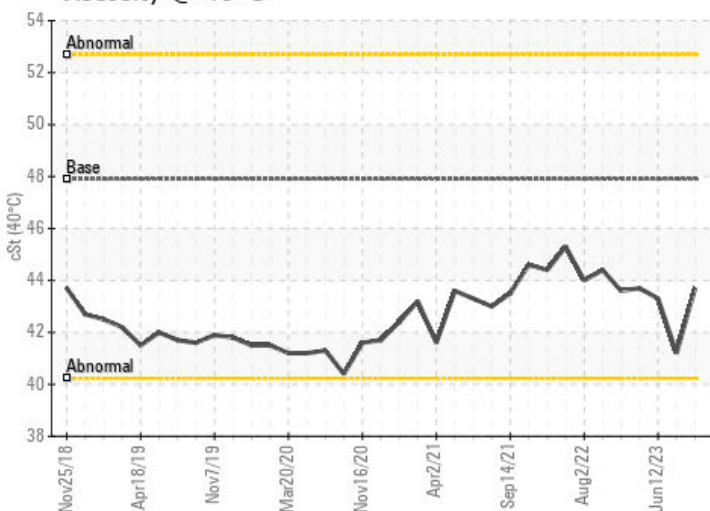
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

