

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 056255-1007 - Hydraulic System

Sample No: LH0292223

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### Sample Information

Sample Number	LH0292223	LH0270059	LH	LH0133030
Sample Date	26 Jun 2024	14 Jul 2023	27 Jun 2022	24 Oct 2018
Machine Hours	17524	16930	0	142295
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Changed
Sample Status	NORMAL	ATTENTION	ABNORMAL	NORMAL

**American Iron and Metal**  
 9100 BOUL HENRI-BOURASSA EST  
 MONTREAL, QC  
 CA H1E 2S4  
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 T: (514)494-2000  
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#### Oil Condition

Visc @ 40°C	cSt	40.1	36.7	46.4	52.3
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		4282	25532	67049	18268
Particles >6µm		595	5762	5089	1469
Particles >14µm		34	422	54	44
ISO 4406:1999 (c)		19/16/12	22/20/16	23/20/13	21/18/13
Silicon	ppm	<1	2	1	2
Sodium	ppm	<1	2	<1	<1
Potassium	ppm	<1	<1	<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	4	5	5	6
Copper	ppm	<1	1	<1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	7	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

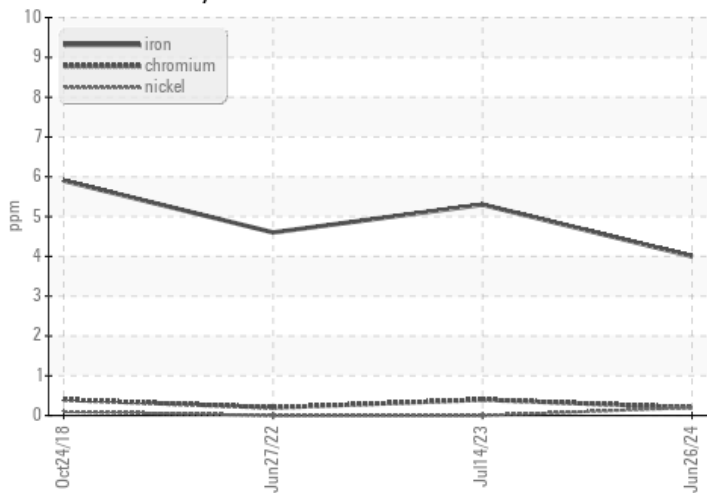
Calcium	ppm	186	266	98	98
Magnesium	ppm	42	80	4	107
Zinc	ppm	763	682	652	553
Phosphorus	ppm	592	607	524	436
Barium	ppm	0	0	0	0
Boron	ppm	5	10	<1	<1

Depot: AMEMON  
 Unique No: 5802821  
 Signed: Wes Davis  
 Report Date: 04 Jul 2024

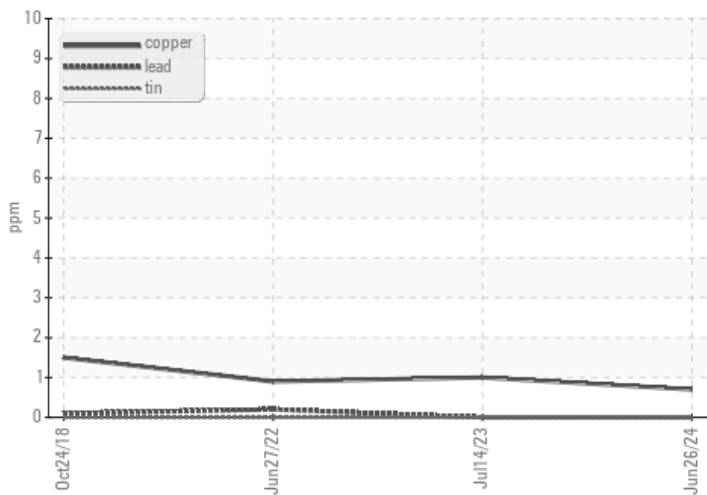


### Graphs

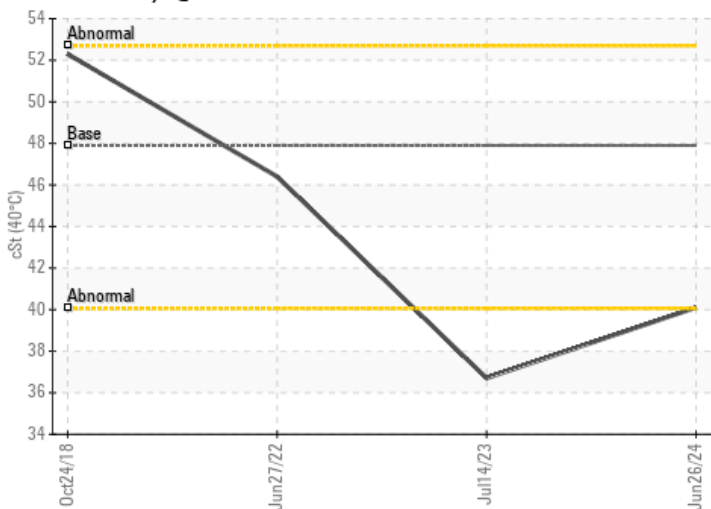
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

