

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 097459-1216 - Hydraulic System

Sample No: LH0194734

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0194734	LH0194637	LH0180229	LH
Sample Date	29 Oct 2021	25 Jul 2021	06 Oct 2020	07 Jul 2020
Machine Hours	20093	17995	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

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#### OIL CONDITION

Visc @ 40°C	cSt	42.2	41.9	40.8	39.7



#### CONTAMINATION

Particles >4µm		14102	6291	4064	7118
Particles >6µm		3290	786	588	1110
Particles >14µm		172	16	26	43
ISO 4406:1999 (c)		21/19/15	20/17/11	19/16/12	20/17/13
Silicon	ppm	<1	<1	1	<1
Sodium	ppm	<1	<1	<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	20	18	23	21
Copper	ppm	1	1	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

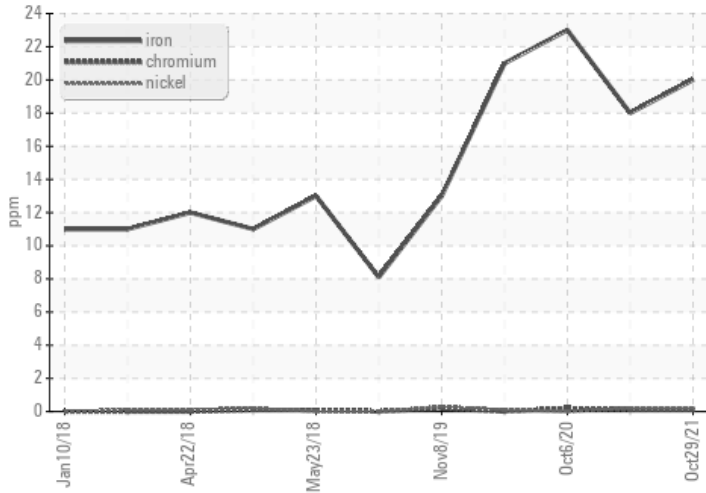
Calcium	ppm	81	69	80	80
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	678	600	586	516
Phosphorus	ppm	551	501	447	414
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: JDITRU  
Unique No: 5305002  
Signed: Wes Davis  
Report Date: 03 Nov 2021

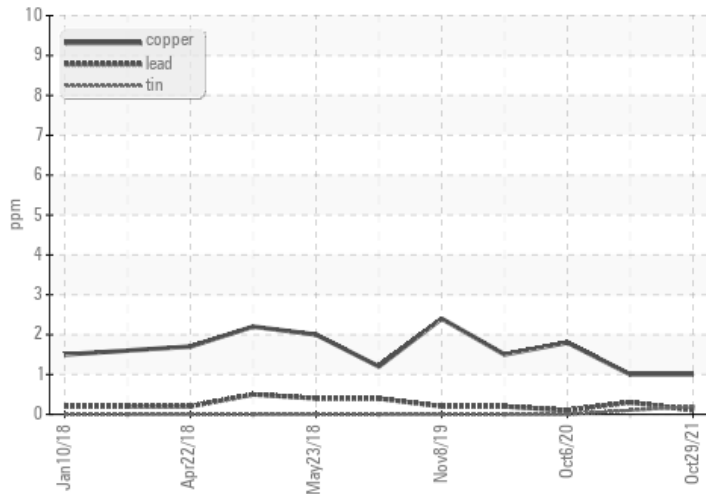


### GRAPHS

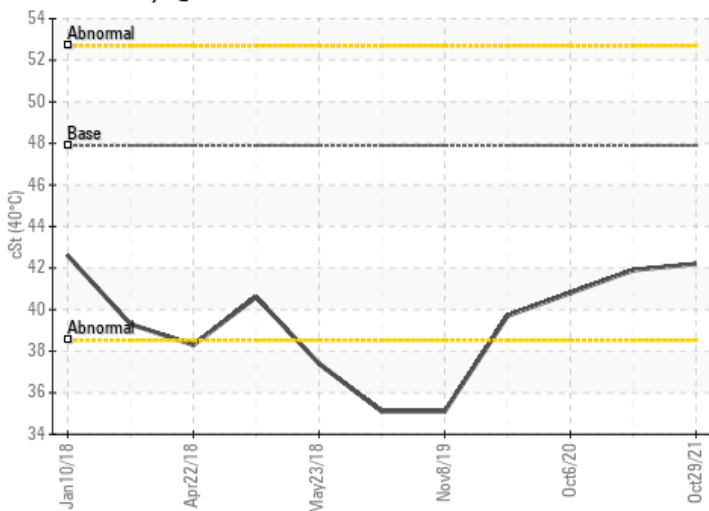
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

