

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363878)] LIEBHERR L556 0657 24-1826 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH	LH0270052	LH0260963	LH0256441
Sample Date	19 Sep 2023	07 Aug 2023	23 Jun 2023	05 Apr 2023
Machine Hours	8467	0	7410	6639
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

CGC DIVISION GYPSUM
7200 RUE NOTRE-DAME EST
MONTREAL, QC
CA H1N 3L6
Contact: YVES CHEVALIER



OIL CONDITION

Visc @ 40°C	cSt	44.4	44.6	44.0	43.9
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T: (514)255-4061
F: (514)255-6075



CONTAMINATION

Particles >4µm		16563	24563	12143	10106
Particles >6µm		3421	4749	2135	802
Particles >14µm		184	212	170	91
ISO 4406:1999 (c)		21/19/15	22/19/15	21/18/15	21/17/14
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	<1	<1	<1	<1
Potassium	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.



WEAR METALS

Iron	ppm	4	6	6	6
Copper	ppm	1	1	2	1
Lead	ppm	2	2	2	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	222	209	321	393
Magnesium	ppm	1	2	2	1
Zinc	ppm	775	776	715	678
Phosphorus	ppm	608	647	625	624
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: CAN720MON
Unique No: 5646021
Signed: Wes Davis
Report Date: 26 Sep 2023

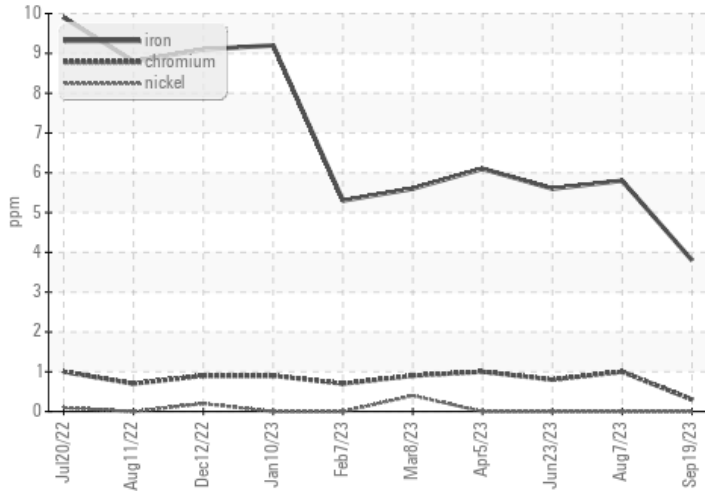
LIEBHERR

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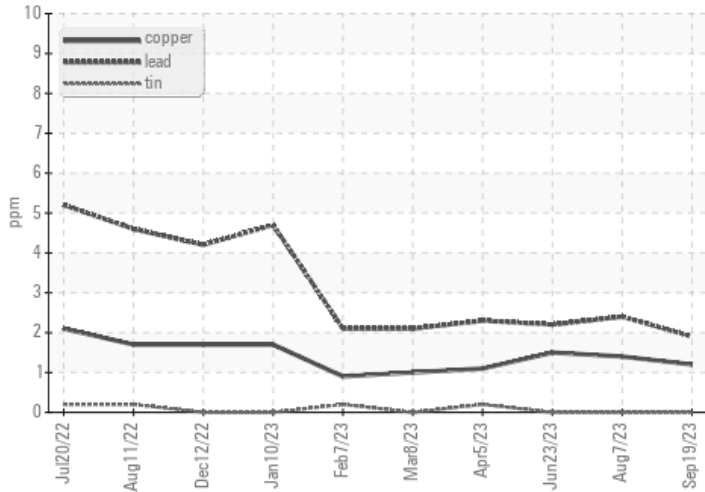


GRAPHS

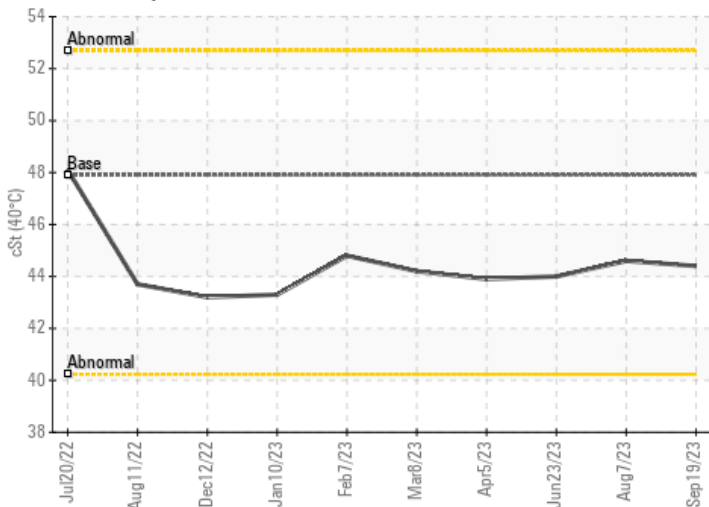
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

