

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 083532-1209 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX AW 46



SAMPLE INFORMATION

Sample Number	LH	LH0251204	LH0192213	LH
Sample Date	17 Jul 2023	22 Feb 2023	16 Mar 2022	18 Jul 2021
Machine Hours	7420	6940	5566	0
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SERVICES MATREC INC.
 32525 BOUL. LAURIER EST
 SAINT-HYACINTHE, QC
 CA J2R 2B2
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	34.6	35.0	38.8	38.9
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T:
F:



CONTAMINATION

Particles >4µm		9269	3565	517	1126
Particles >6µm		3635	1006	71	207
Particles >14µm		519	87	4	19
ISO 4406:1999 (c)		20/19/16	19/17/14	16/13/9	17/15/11
Silicon	ppm	2	1	1	2
Sodium	ppm	1	<1	<1	1
Potassium	ppm	<1	0	<1	2

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

Iron	ppm	9	8	6	11
Copper	ppm	4	4	3	6
Lead	ppm	<1	<1	<1	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	2	5
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	141	161	201	325
Magnesium	ppm	3	1	<1	2
Zinc	ppm	564	564	661	691
Phosphorus	ppm	475	494	530	565
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	2	<1

Depot: SER325SAI
 Unique No: 5616742
 Signed: Wes Davis
 Report Date: 25 Jul 2023

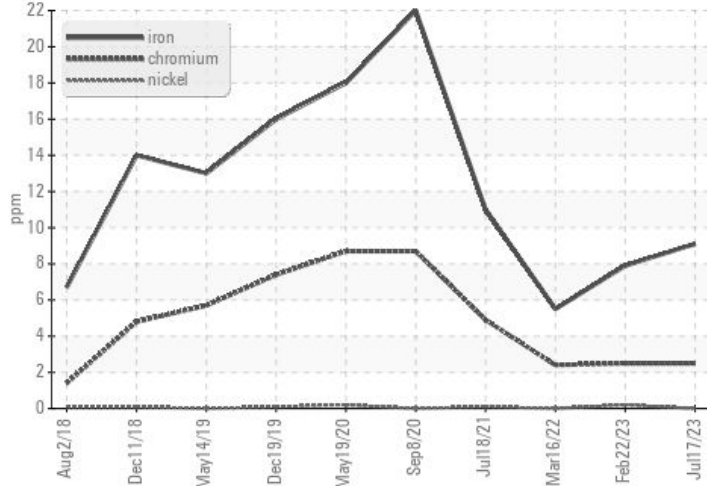
LIEBHERR

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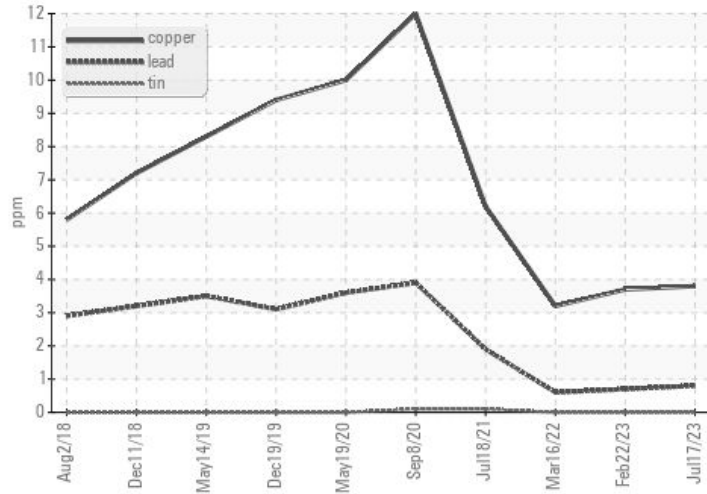


GRAPHS

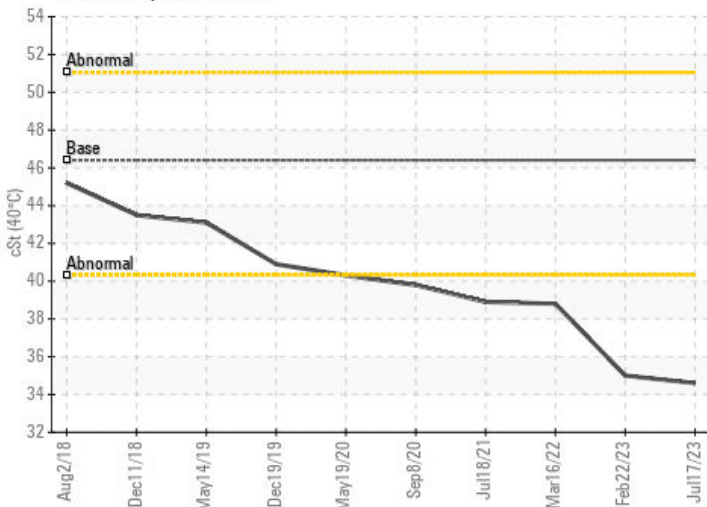
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

