

LIEBHERR

CONSTRUCTION EQUIPMENT



[(343446)] LIEBHERR LH60M 124381-1217 - Hydraulic System

Sample No: LH0265842

Oil Type: AW HYDRAULIC OIL ISO 46

RAM IRON AND METAL

60 Ashwarren Road

TORONTO, ON

CA M3J 1Z5

Contact: PETER RACCO

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Diagnostic

Resample at the next service interval to monitor. Iron ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0265842	LH0261592	LH0256686	LH0251491
Date d'échant.		26 Jun 2023	03 May 2023	02 Apr 2023	06 Feb 2023
Heures de la Machine		10141	9520	9107	8526
Heures de l'huile		0	0	0	0
Huile changée		Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.		ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	● 33.9	● 34.2	● 34.3	● 34.5
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CONTAMINATION

Particules >4μ		● 7184	● 8228	● 800	● 2978
Particules >6μ		● 1578	● 2169	● 180	● 589
Particules >14μ		● 50	● 127	● 10	● 14
ISO 4406:1999 (c)		20/18/13	20/18/14	17/15/10	19/16/11
Silicium	ppm	● 1	● 1	● <1	● 1
Sodium	ppm	● 2	● 2	● 2	● 2
Potassium	ppm	● <1	● <1	● <1	● <1



MÉTAUX D'USURE

PQ		● 1	● 0	● 0	● 5
Fer	ppm	● 67	● 66	● 63	● 90
Cuivre	ppm	● 4	● 3	● 3	● 4
Plomb	ppm	● <1	● <1	● <1	● <1
Étain	ppm	● 0	● <1	● 0	● 0
Aluminium	ppm	● <1	● <1	● <1	● <1
Chrome	ppm	● 2	● 2	● 2	● 2
Molybdène	ppm	● <1	● <1	● <1	● <1
Nickel	ppm	● 0	● 0	● 0	● 0
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	0
Manganèse	ppm	● <1	● 1	● 1	● 1
Vanadium	ppm	0	0	0	0



ADDITIFS

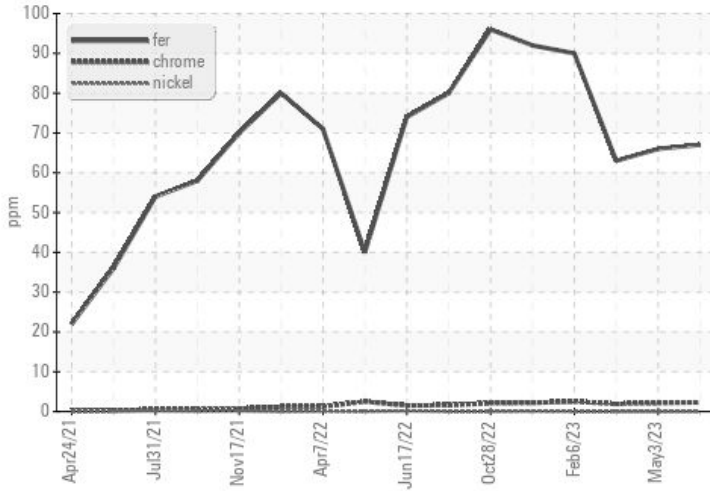
Calcium	ppm	● 227	● 244	● 238	● 301
Magnésium	ppm	● 8	● 7	● 7	● 5
Zinc	ppm	● 434	● 434	● 422	● 475
Phosphore	ppm	● 373	● 389	● 380	● 422
Baryum	ppm	● 0	● 0	● 0	● 0
Bore	ppm	● 2	● 2	● 2	● <1

Depot: RAMTOR
 Unique No: 5604373
 Signed: Kevin Marson
 Report Date: 30 Jun 2023

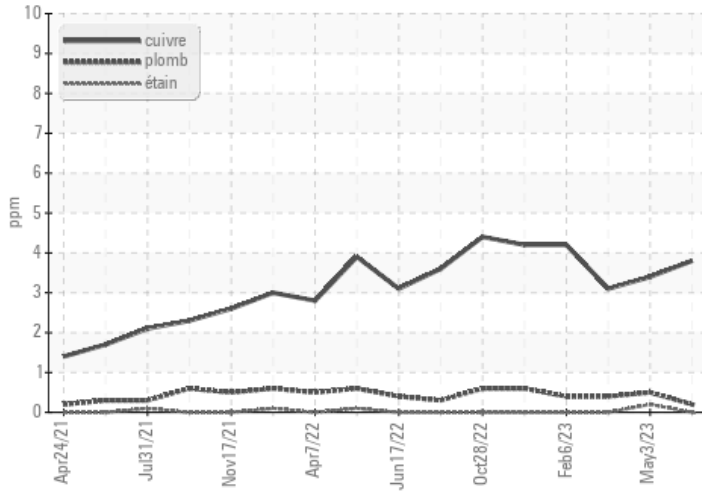


GRAPHS

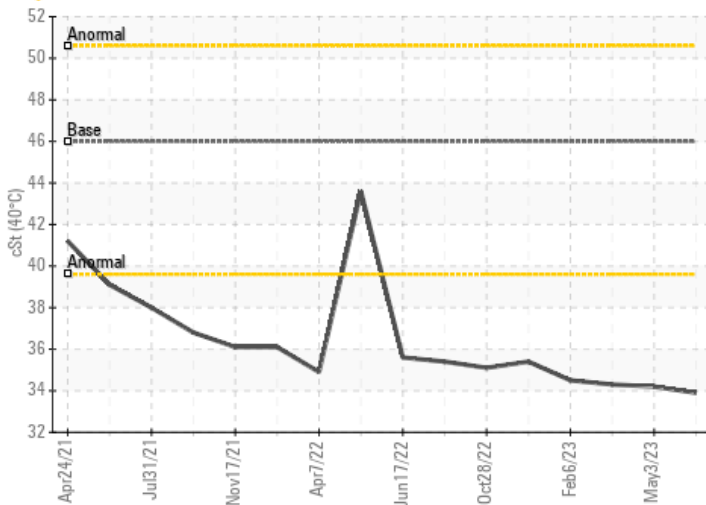
● Alliages ferreux



Métaux non-ferreux



● Viscosité 40°C



Particle Filter (Magn: 100 x)

