

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 090215-1253 - Hydraulic System

Sample No: LH0279121

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0279121	LH	LH0260867	LH0251172
Sample Date	02 Feb 2024	20 Sep 2023	12 May 2023	03 Mar 2023
Machine Hours	13512	12906	12427	12162
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

VEOLIA-SERVICES A L'ENVIRONNEMENT
2630, BLVD INDUSTRIEL
CHAMBLY, QC
CA J3L 4V2
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	42.6	42.5	42.8	42.9
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		73903	46987	32312	33197
Particles >6µm		1214	2014	3458	466
Particles >14µm		52	162	213	19
ISO 4406:1999 (c)		23/17/13	23/18/15	22/19/15	22/16/11
Silicon	ppm	3	3	2	2
Sodium	ppm	4	3	2	1
Potassium	ppm	3	<1	0	<1

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. Usure de segment. Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.



WEAR METALS

Iron	ppm	10	12	8	7
Copper	ppm	1	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	<1
Chromium	ppm	25	23	19	20
Molybdenum	ppm	18	24	2	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	549	630	381	384
Magnesium	ppm	243	288	33	33
Zinc	ppm	650	781	535	510
Phosphorus	ppm	622	709	530	511
Barium	ppm	0	<1	0	0
Boron	ppm	23	22	7	7

Depot: VEO263CHA
Unique No: 5723145
Signed: Kevin Marson
Report Date: 08 Feb 2024

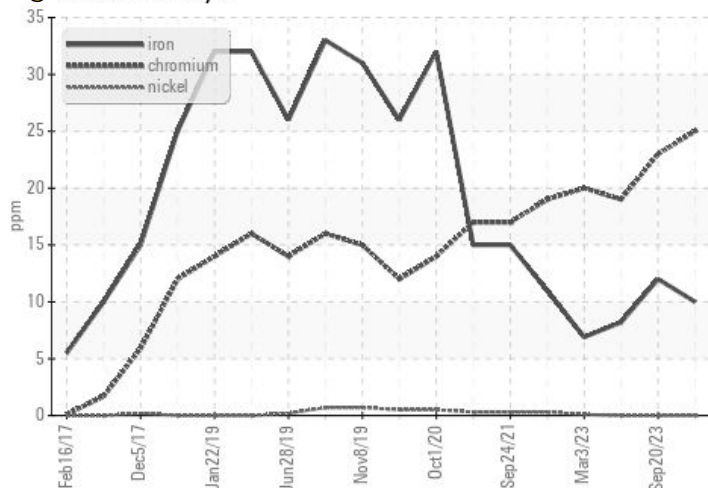
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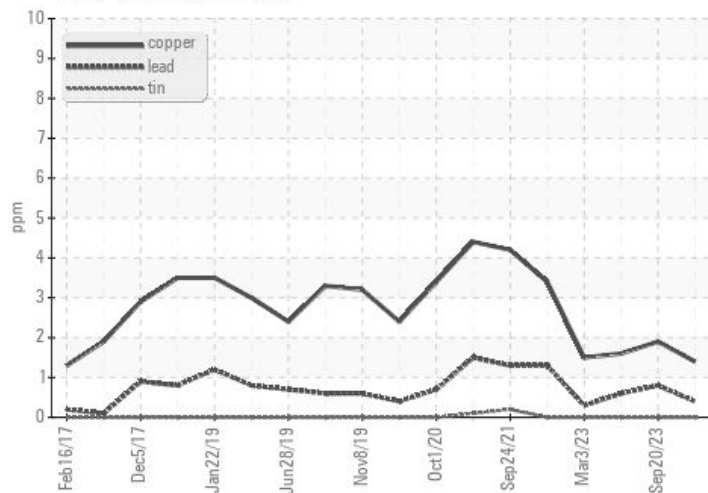


GRAPHS

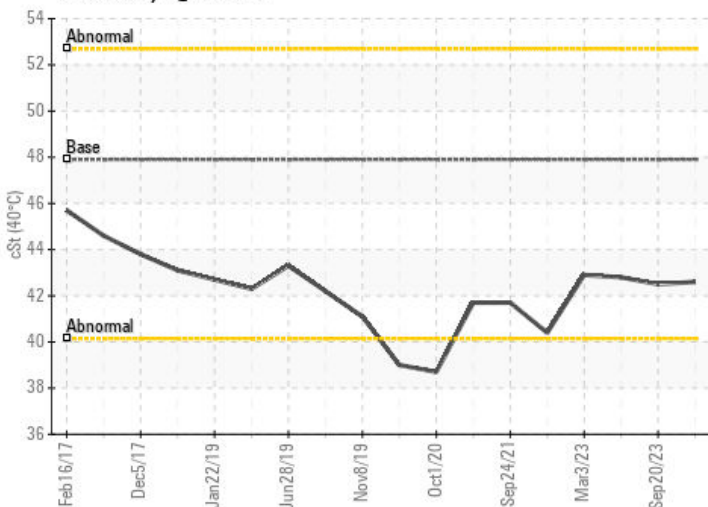
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



● Particle Count

