

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R946 046753-1491 - Splitter Box

Sample No: LH0279475

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0279475	LH	LH	LH
Sample Date	22 Nov 2023	03 Aug 2023	01 Jun 2023	24 Mar 2023
Machine Hours	10100	9304	8716	8383
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

QIT - Rio Tinto Fer et Titane Inc.

1625 Rte Marie Victorin

Sorel-Tracy, QC

CA J3R 1M6

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OIL CONDITION

Visc @ 40°C	cSt	186	186	181	183
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	1	1
Sodium	ppm	2	2	1	2
Potassium	ppm	3	3	<1	0



WEAR METALS

PQ		---	0	---	---
Iron	ppm	68	76	10	13
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	16	18	<1	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	12	12	12	8
Silver	ppm	<1	0	<1	0
Manganese	ppm	1	2	<1	<1
Vanadium	ppm	0	<1	<1	<1



ADDITIVES

Calcium	ppm	13	17	13	5
Magnesium	ppm	4	6	8	2
Zinc	ppm	13	23	12	5
Phosphorus	ppm	2272	2331	2414	2437
Barium	ppm	0	3	0	0
Boron	ppm	2	4	2	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. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: QITGARAGE

Unique No: 5684159

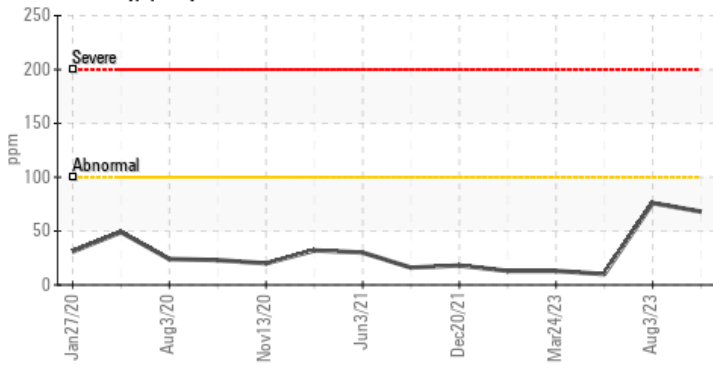
Signed: Kevin Marson

Report Date: 28 Nov 2023

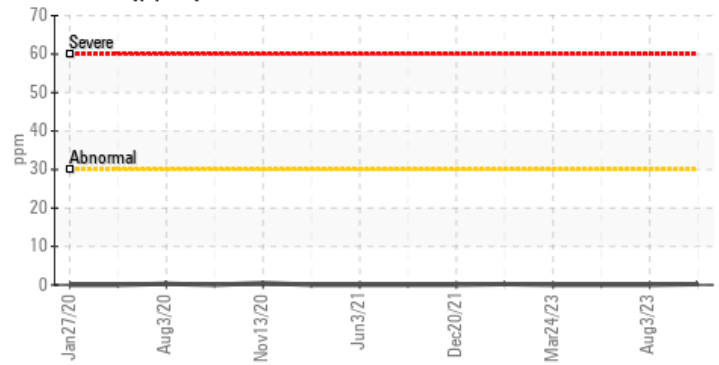


GRAPHS

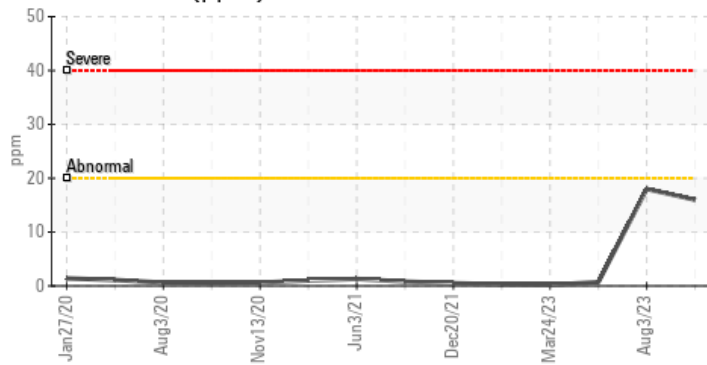
Iron (ppm)



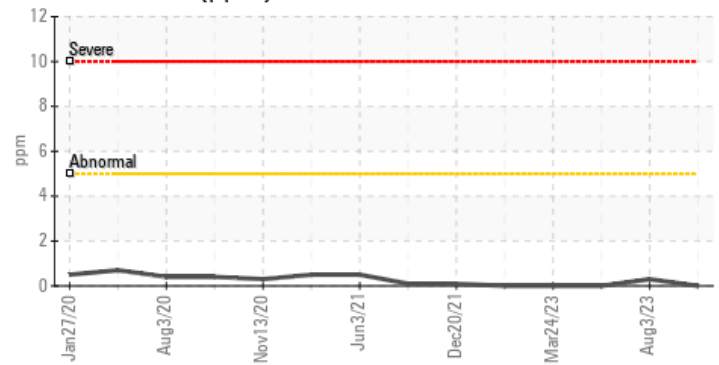
Lead (ppm)



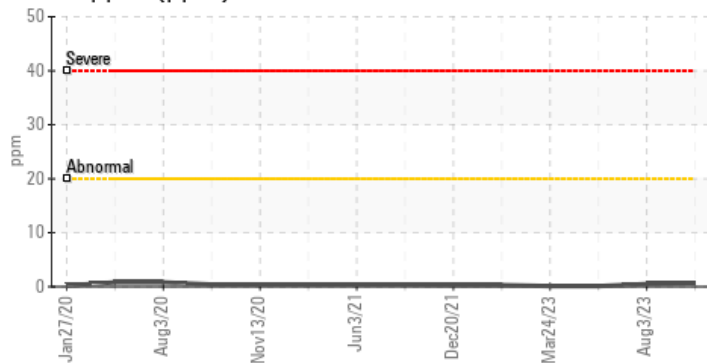
Aluminum (ppm)



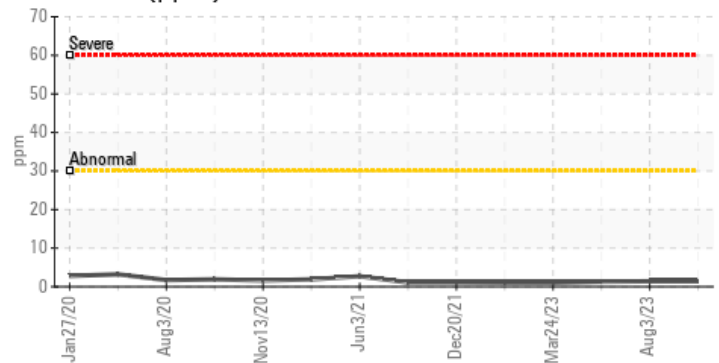
Chromium (ppm)



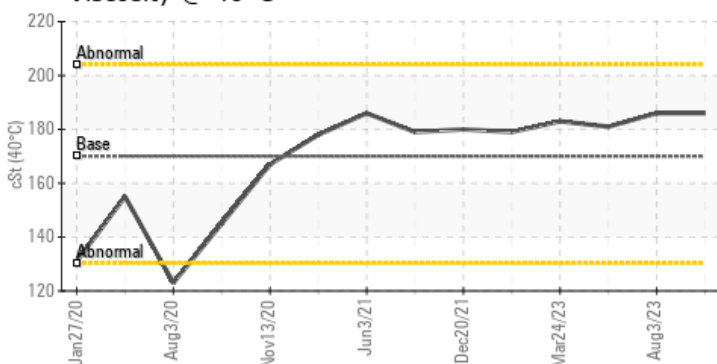
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

