

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R974CEW 044496-1084 - Splitter Box

Sample No: LH0271493

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0271493	LH	LH0260967	LH0260775
Sample Date	21 Nov 2023	29 Sep 2023	23 Jun 2023	25 May 2023
Machine Hours	12403	0	0	11735
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

**QIT - Rio Tinto Fer et Titane Inc.**

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#### OIL CONDITION

Visc @ 40°C	cSt	185	180	179	179
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	0.023
Silicon	ppm	10	15	30	73
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	1	2



#### WEAR METALS

Iron	ppm	9	9	18	27
Copper	ppm	<1	1	2	3
Lead	ppm	<1	2	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	3	3
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	1
Vanadium	ppm	0	0	0	<1



#### ADDITIVES

Calcium	ppm	8	14	22	35
Magnesium	ppm	1	3	7	3
Zinc	ppm	8	15	18	14
Phosphorus	ppm	2293	2369	2346	2198
Barium	ppm	<1	<1	2	4
Boron	ppm	3	7	8	16

#### 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: 5684160

Signed: Wes Davis

Report Date: 27 Nov 2023



### GRAPHS

