

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 084148-1203 - Rear Left Wheel Hub

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH	LH0260787	LH	LH0203400
Sample Date	19 Dec 2023	09 Jun 2023	10 May 2022	18 Aug 2021
Machine Hours	10974	0	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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

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#### OIL CONDITION

Visc @ 40°C	cSt	180	166	118	194
		●	●	●	●



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 13	● 31	● 22	● 16
Sodium	ppm	● 1	● 2	● 2	● 3
Potassium	ppm	● 0	● 1	● 9	● <1



#### WEAR METALS

Iron	ppm	● 13	● 32	● 37	● 44
Copper	ppm	● 2	● 3	● 3	● 2
Lead	ppm	● 0	● 0	● <1	● <1
Tin	ppm	● 0	● 0	● 0	● <1
Aluminum	ppm	● 1	● 2	● 1	● 1
Chromium	ppm	● 0	● 0	● 0	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	● 0	● <1	0	0
Silver	ppm	● 0	● 0	● 0	● 1
Manganese	ppm	● 0	● <1	● <1	● <1
Vanadium	ppm	● 0	0	0	0



#### ADDITIVES

Calcium	ppm	● 4	● 6	● 10	● 9
Magnesium	ppm	● <1	● <1	● 1	● <1
Zinc	ppm	● 4	● 5	● 8	● 6
Phosphorus	ppm	● 2211	● 2276	● 1596	● 2389
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 9	● 39	● 231	● 4

#### 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: 5698503

Signed: Wes Davis

Report Date: 28 Dec 2023



### GRAPHS

