

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



**QIT - Rio Tinto Fer et Titane Inc.**  
 1625 Rte Marie Victorin  
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#### SAMPLE INFORMATION

Sample Number	LH	LH0260783	LH	LH0203401
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



#### OIL CONDITION

Visc @ 40°C	cSt	166	121	135	189



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	65	65	89	34
Sodium	ppm	4	7	6	6
Potassium	ppm	2	2	2	3



#### WEAR METALS

Iron	ppm	183	391	599	326
Copper	ppm	4	6	6	3
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	5	4	6	2
Chromium	ppm	<1	2	3	1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	6	3
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	15	21	20	19
Magnesium	ppm	2	2	2	2
Zinc	ppm	8	16	15	9
Phosphorus	ppm	2104	1674	1861	2246
Barium	ppm	0	0	0	0
Boron	ppm	40	104	113	7

#### 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: 5698502  
 Signed: Wes Davis  
 Report Date: 28 Dec 2023



### GRAPHS

