

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0279282

Oil Type: GEAR OIL SAE 80W90



**QIT - Rio Tinto Fer et Titane Inc.**  
 1625 Rte Marie Victorin  
 Sorel-Tracy, QC  
 CA J3R 1M6  
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#### SAMPLE INFORMATION

Sample Number	LH0279282	LH0260788	LH	LH0203404
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	180	163	117	193
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	35	22	16
Sodium	ppm	2	3	1	3
Potassium	ppm	2	1	1	<1



#### WEAR METALS

Iron	ppm	16	34	32	43
Copper	ppm	2	3	4	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	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	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	5	6	9	9
Magnesium	ppm	<1	<1	1	<1
Zinc	ppm	4	5	7	6
Phosphorus	ppm	2195	2244	1573	2400
Barium	ppm	0	0	0	0
Boron	ppm	10	41	244	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: 5698528  
 Signed: Wes Davis  
 Report Date: 27 Dec 2023



### GRAPHS

