

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(345481)] 128862-1216 - Rear Differential

Sample No: LH0284340

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0284340	LH	LH0251061	LH0235624
Sample Date	06 Feb 2024	17 Jul 2023	09 Feb 2023	07 Jun 2022
Machine Hours	5027	3940	3024	1862
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

**American Iron and Metal**  
 10171 AVE PELLETIER  
 MONTREAL-NORD, QC  
 CA H1H 3R2  
 Contact: Allen Singerman



#### OIL CONDITION

Visc @ 40°C	cSt	192	190	181	180
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	24	2
Sodium	ppm	2	2	4	5
Potassium	ppm	<1	<1	0	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.



#### WEAR METALS

Iron	ppm	7	6	8	10
Copper	ppm	4	4	6	5
Lead	ppm	0	0	<1	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	6	6	12	15
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	6	7	10	9
Phosphorus	ppm	2328	2391	2458	2464
Barium	ppm	0	0	0	<1
Boron	ppm	<1	1	1	4

Depot: AIM101MON  
 Unique No: 5724203  
 Signed: Wes Davis  
 Report Date: 13 Feb 2024

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### GRAPHS

