

LIEBHERR

CONSTRUCTION EQUIPMENT



[(345481)] 128862-1216 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0251061	LH0235624	LH0192118
Sample Date	17 Jul 2023	09 Feb 2023	07 Jun 2022	15 Dec 2021
Machine Hours	3940	3024	1862	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	190	181	180	179
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T:
F:



CONTAMINATION

Silicon	ppm	5	24	2	2
Sodium	ppm	2	4	5	4
Potassium	ppm	<1	0	2	<1

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	6	8	10	12
Copper	ppm	4	6	5	12
Lead	ppm	0	<1	1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	6	12	15	63
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	7	10	9	23
Phosphorus	ppm	2391	2458	2464	2395
Barium	ppm	0	0	<1	<1
Boron	ppm	1	1	4	3

Depot: AIM101MON
Unique No: 5616622
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

