

LIEBHERR

CONSTRUCTION EQUIPMENT



[(345481)] 128862-1216 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0251060	LH0235626	LH0192117
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	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	194	181	181	182
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T:
F:



CONTAMINATION

Silicon	ppm	1	2	<1	0
Sodium	ppm	1	<1	2	2
Potassium	ppm	<1	0	1	<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	1	1	1	2
Copper	ppm	3	6	3	7
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	8	2	25
Magnesium	ppm	<1	<1	0	<1
Zinc	ppm	5	6	3	9
Phosphorus	ppm	2383	2499	2458	2421
Barium	ppm	0	0	<1	4
Boron	ppm	<1	<1	3	<1

Depot: AIM101MON
Unique No: 5616621
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

