

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 112532-1250 - Swing Drive

Sample No: LH0153182

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0153182	LH0234215	LH0222095	LH0199487
Sample Date	05 Jul 2023	23 Sep 2022	03 May 2022	10 Oct 2021
Machine Hours	7001	5700	5131	4000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CENTREM
1125 DES PINS O.
ALMA, QC
CA G8B 7V7
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	● 187	● 187	● 177	● 178
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T:
F:



CONTAMINATION

Water	%	---	---	---	● 0.155
Silicon	ppm	● <1	● <1	● 1	● <1
Sodium	ppm	● 2	● 1	● 2	● 2
Potassium	ppm	● <1	● <1	● 0	● <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	● 75	● 30	● 65	● 90
Copper	ppm	● 20	● 19	● 26	● 20
Lead	ppm	● <1	● <1	● <1	● <1
Tin	ppm	● <1	● <1	● <1	● <1
Aluminum	ppm	● <1	● <1	● 0	● <1
Chromium	ppm	● <1	● 0	● <1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● <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	● 5	● 9	● 18	● 6
Magnesium	ppm	● <1	● <1	● <1	● <1
Zinc	ppm	● 21	● 11	● 7	● 10
Phosphorus	ppm	● 2343	● 2396	● 2415	● 2263
Barium	ppm	● 0	● 0	● 0	● <1
Boron	ppm	● 4	● 5	● 6	● 34

Depot: CENALM
Unique No: 5605904
Signed: Wes Davis
Report Date: 10 Jul 2023



GRAPHS

