

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340290)] LIEBHERR L586 059132-1334 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0250012	LH0215326	LH0189150
Sample Date	06 Nov 2023	16 Mar 2023	22 Nov 2022	13 Sep 2022
Machine Hours	17000	14214	12076	11124
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

NEXOLIA, CHAPAIS ENERGIE SEC
 140 RUE DE LA CONGENERATION
 CHAPAIS, QC
 CA G0W 1H0
 Contact: Carl Adams



OIL CONDITION

Visc @ 40°C	cSt	181	197	191	178
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T: (418)745-2521
 F: (418)745-3680



CONTAMINATION

Element	ppm	4	3	3	2
Silicon	ppm	4	3	3	2
Sodium	ppm	4	1	2	2
Potassium	ppm	0	0	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

Element	ppm	222	95	96	33
Iron	ppm	222	95	96	33
Copper	ppm	23	20	23	10
Lead	ppm	<1	<1	<1	<1
Tin	ppm	1	1	1	<1
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	1	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	4	2	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	13	1	6	9
Calcium	ppm	13	1	6	9
Magnesium	ppm	<1	0	<1	<1
Zinc	ppm	31	7	23	12
Phosphorus	ppm	2357	2406	2449	2302
Barium	ppm	<1	0	0	0
Boron	ppm	2	1	5	11

Depot: CHA140CHA
 Unique No: 5680935
 Signed: Wes Davis
 Report Date: 13 Nov 2023



GRAPHS

