

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 048529-1334 - Front Differential

Sample No: LH0163402

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0163402	LH0227147	LH0202379	LH0163363
Sample Date	19 Dec 2023	10 Mar 2022	05 Oct 2021	19 Jan 2021
Machine Hours	3763	0	3567	2441
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	188	190	192	192
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	5	7
Sodium	ppm	3	4	3	4
Potassium	ppm	<1	<1	<1	0

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	96	136	92	144
Copper	ppm	55	71	85	102
Lead	ppm	2	2	2	3
Tin	ppm	3	4	3	4
Aluminum	ppm	2	3	<1	1
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	6	5	11
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	9	15	6	9
Magnesium	ppm	1	<1	<1	<1
Zinc	ppm	21	27	39	59
Phosphorus	ppm	2264	2393	2418	2316
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	2	<1

Depot: GABLAS
 Unique No: 5709695
 Signed: Wes Davis
 Report Date: 12 Jan 2024



GRAPHS

