

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 053138-1214 - Front Differential

Sample No: LH0270023

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0270023	LH0243053	LH0177946	LH
Sample Date	24 Aug 2023	07 Feb 2023	01 Aug 2022	29 Mar 2022
Machine Hours	18035	16996	15992	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE

GDS VALORIBOIS INC.
 80 RUE DU PARC INDUSTRIEL
 MATANE, QC
 CA G4W 2P6
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	190	176	179	175
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T:
F:



CONTAMINATION

Silicon	ppm	2	2	2	9
Sodium	ppm	2	2	2	2
Potassium	ppm	0	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	47	64	78	305
Copper	ppm	30	30	38	118
Lead	ppm	1	<1	<1	3
Tin	ppm	1	2	2	7
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	1	2	4	13
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3	6	13	32
Magnesium	ppm	0	0	<1	<1
Zinc	ppm	15	19	18	39
Phosphorus	ppm	2377	2505	2420	2406
Barium	ppm	<1	0	0	0
Boron	ppm	<1	1	2	1

Depot: GDSMAT
 Unique No: 5655234
 Signed: Wes Davis
 Report Date: 02 Oct 2023



GRAPHS

