

LIEBHERR

CONSTRUCTION EQUIPMENT



[(370851)] LIEBHERR LH50M 136353-1216 - Front Differential

Sample No: LH0228153

Oil Type: IRVING HDH SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0228153	LH0228129	LH0228141	LH0215262
Sample Date	17 Oct 2023	18 May 2023	20 Nov 2022	13 Sep 2022
Machine Hours	5927	4491	2575	1884
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

BeCar Inc.
 1053 boul Ducharme
 La Tuque, QC
 CA G9X 3C3
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OIL CONDITION

Visc @ 40°C	cSt	110	95.8	98.0	98.0
		●	●	●	●



CONTAMINATION

Element	ppm	2	2	2	4
Silicon	ppm	● 2	● 2	● 2	● 4
Sodium	ppm	● <1	● <1	● <1	● <1
Potassium	ppm	● 0	● <1	● <1	● <1



WEAR METALS

Element	ppm	3	4	3	4
Iron	ppm	● 3	● 4	● 3	● 4
Copper	ppm	● 17	● 29	● 55	● 134
Lead	ppm	● <1	● <1	● 1	● 3
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● 1	● <1	● 1
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	<1	0	0	1
Manganese	ppm	● <1	● 1	● <1	● 1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	9	0	3	11
Calcium	ppm	● 9	● 0	● 3	11
Magnesium	ppm	● 0	● <1	● <1	● <1
Zinc	ppm	● 18	20	● 32	● 73
Phosphorus	ppm	● 1310	● 1112	● 1124	● 1072
Barium	ppm	● <1	● 0	● 0	● 4
Boron	ppm	● 122	● 152	● 155	● 141

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.

Depot: BECLAT
Unique No: 5659176
Signed: Wes Davis
Report Date: 18 Oct 2023



GRAPHS

