

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 11552-1216 - Front Differential

Sample No: LH0256473

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0256473	LH0242185	LH0242190	LH0223689
Sample Date	18 Jun 2023	20 Dec 2022	18 Oct 2022	03 May 2022
Machine Hours	18000	17000	14900	13000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Resolute Forest Products

1, chemin de la Scierie, Case postale 2250
Baie-Comeau, QC
CA G5C 2S8
Contact: Paul Breton
paul.breton@liebherr.com
T:
F: (418)960-2788



OIL CONDITION

Visc @ 40°C	cSt	179	194	194	164
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	<1	0	<1	<1
Sodium	ppm	1	3	3	2
Potassium	ppm	<1	0	0	<1



WEAR METALS

Iron	ppm	3	2	2	4
Copper	ppm	1	<1	1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	4
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	3	4	8
Magnesium	ppm	<1	0	<1	<1
Zinc	ppm	4	4	4	7
Phosphorus	ppm	2401	2381	2419	2307
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	2	47

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: RESBAI
Unique No: 5644369
Signed: Wes Davis
Report Date: 18 Sep 2023



GRAPHS

