

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 041000-1168 - Front Differential

Sample No: LH

Oil Type: IRVING HDH SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH	LH0251022	LH0135785	LH0151595
Sample Date	26 Oct 2023	23 Feb 2023	22 Apr 2020	13 Dec 2019
Machine Hours	14600	12610	4998	4065
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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#### OIL CONDITION

Visc @ 40°C	cSt	101	93.2	91.7	90.6



#### CONTAMINATION

Element	ppm	7	22	4	3
Silicon	ppm	7	22	4	3
Sodium	ppm	<1	3	0	0
Potassium	ppm	<1	2	1	1



#### WEAR METALS

Element	ppm	---	311	---	---
PQ		---	311	---	---
Iron	ppm	1151	2140	472	228
Copper	ppm	2	3	4	6
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	4	1	1
Chromium	ppm	7	7	2	1
Molybdenum	ppm	15	37	22	8
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	8	15	4	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Element	ppm	12	33	8	15
Calcium	ppm	12	33	8	15
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	20	21	6	13
Phosphorus	ppm	1032	1135	1054	1127
Barium	ppm	<1	0	<1	2
Boron	ppm	137	189	145	156

#### 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: CHALAN  
 Unique No: 5670421  
 Signed: Wes Davis  
 Report Date: 01 Nov 2023



### GRAPHS

