

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 143328-1253 - Diesel Engine

Sample No: LH0247987

Oil Type: DIESEL ENGINE OIL SAE 5W40



**Scierie Girard Inc.**  
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 Shipshaw, QC  
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#### SAMPLE INFORMATION

Sample Number	LH0247987	LH0247978	LH0247963	LH0247966
Sample Date	15 May 2023	03 Apr 2023	02 Mar 2023	22 Feb 2023
Machine Hours	2450	1919	500	1406
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	N/A	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	12.6	12.0	11.6
Oxidation (PA)	%	81	83	209	111



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	86	83	98	86
Sulfation (PA)	%	58	65	116	73
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.5	0.8
Silicon	ppm	3	3	9	8
Sodium	ppm	5	5	2	5
Potassium	ppm	0	<1	2	<1



#### WEAR METALS

Iron	ppm	7	5	10	7
Copper	ppm	4	13	334	132
Lead	ppm	<1	<1	10	4
Tin	ppm	0	<1	1	<1
Aluminum	ppm	1	1	4	2
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	57	57	46	56
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	794	877	1510	965
Magnesium	ppm	1094	1145	929	1108
Zinc	ppm	1176	1221	885	1174
Phosphorus	ppm	960	1096	809	1008
Barium	ppm	<1	<1	32	5
Boron	ppm	27	32	105	34

#### 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: SCISHI  
 Unique No: 5671247  
 Signed: Wes Davis  
 Report Date: 06 Nov 2023



### GRAPHS

