

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 143328-1253 - Diesel Engine

Sample No: LH0248011

Oil Type: DIESEL ENGINE OIL SAE 5W40



Scierie Girard Inc.
 5872 Rte. Bouleaux (Route 172)
 Shipshaw, QC
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SAMPLE INFORMATION

Sample Number	LH0248011	LH0248002	LH0247999	LH0247990
Sample Date	01 Nov 2023	19 Sep 2023	16 Aug 2023	21 Jun 2023
Machine Hours	4552	4001	3566	2974
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	13.0	12.6	12.9	12.1
Oxidation (PA)	%	81	88	82	95



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	79	83	83	93
Sulfation (PA)	%	57	61	58	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	1.4
Silicon	ppm	3	3	3	4
Sodium	ppm	4	5	5	6
Potassium	ppm	0	1	2	0



WEAR METALS

Iron	ppm	4	5	3	6
Copper	ppm	2	3	3	7
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	1	<1	2
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	58	57	57	61
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	814	795	816	844
Magnesium	ppm	1119	1094	1107	1147
Zinc	ppm	1211	1170	1195	1248
Phosphorus	ppm	1005	956	975	999
Barium	ppm	<1	<1	<1	<1
Boron	ppm	29	19	18	21

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: 5685520
 Signed: Wes Davis
 Report Date: 04 Dec 2023

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GRAPHS

