

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 142911-1216 - Diesel Engine

Sample No: LH0246030

Oil Type: SHELL 15W40



Scierie Landrienne

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SAMPLE INFORMATION

Sample Number	LH0246030	LH0246006	LH0245979	---
Sample Date	03 Nov 2023	09 Jun 2023	21 Dec 2022	---
Machine Hours	4990	3030	500	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	11.9	11.8	12.2	---
Oxidation (PA)	%	52	69	205	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	63	64	101	---
Sulfation (PA)	%	55	56	111	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	3	8	9	---
Sodium	ppm	1	2	2	---
Potassium	ppm	1	0	3	---



WEAR METALS

Iron	ppm	3	3	10	---
Copper	ppm	<1	2	225	---
Lead	ppm	<1	<1	7	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	1	2	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	4	57	43	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2349	2001	1547	---
Magnesium	ppm	29	371	846	---
Zinc	ppm	1074	1258	898	---
Phosphorus	ppm	884	1100	801	---
Barium	ppm	<1	<1	36	---
Boron	ppm	17	72	98	---

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: SCILAN
Unique No: 5681867
Signed: Wes Davis
Report Date: 16 Nov 2023



GRAPHS

