

LIEBHERR

CONSTRUCTION EQUIPMENT



[(351040)] LIEBHERR LH30M 131381-1253 - Diesel Engine

Sample No: LH0260704

Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0260704	LH0215517	LH0239085	LH0205283
Sample Date	17 Oct 2023	02 May 2023	15 Sep 2022	20 Apr 2022
Machine Hours	2483	2071	1440	1062
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

METAL DU GOLF

552 RUE PRINCIPALE OUEST
ST-ANACLET, QC
CA G0K 1H0
Contact: Claude Ouellet



OIL CONDITION

Visc @ 40°C	cSt	92.1	---	---	---
Visc @ 100°C	cSt	12.8	12.6	12.8	12.4
Viscosity Index (VI)	Scale	136	---	---	---
Oxidation (PA)	%	51	60	51	69

T: (418)723-8885

F:



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	53	66	63	65
Sulfation (PA)	%	54	52	55	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	5	7	6
Sodium	ppm	2	2	2	1
Potassium	ppm	0	<1	<1	<1

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.



WEAR METALS

Iron	ppm	2	3	3	6
Copper	ppm	2	2	5	19
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	1	2	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	81	57	36	58
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1471	1177	1956	1068
Magnesium	ppm	424	933	250	1026
Zinc	ppm	1211	1222	1138	1219
Phosphorus	ppm	1026	1093	1033	1049
Barium	ppm	<1	0	<1	2
Boron	ppm	316	6	127	7

Depot: COPSTA

Unique No: 5681222

Signed: Wes Davis

Report Date: 14 Nov 2023



GRAPHS

