

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336304)] LIEBHERR LH30M 121370-1253 - Diesel Engine

Sample No: LH0261091

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0261091	LH0238786	LH0225503	LH
Sample Date	15 Jun 2023	15 Nov 2022	27 May 2022	15 Nov 2021
Machine Hours	4050	3275	2698	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

Recyclage de Metaux Nobel

25 Chemin Nobel
St-Mathieu de Beloeil, QC
CA J3G 4S5
Contact: Maintenance



OIL CONDITION

Visc @ 100°C	cSt	12.1	12.5	11.1	13.0
Oxidation (PA)	%	71	68	82	63

T:
F:



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	79	75	88	64
Sulfation (PA)	%	56	56	65	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.4	<1.0
Silicon	ppm	6	10	8	6
Sodium	ppm	1	2	4	2
Potassium	ppm	3	15	<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	6	6	7	4
Copper	ppm	3	4	7	19
Lead	ppm	2	2	1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	4	1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	58	57	58	56
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1064	1116	870	992
Magnesium	ppm	976	963	1107	997
Zinc	ppm	1153	1202	1230	1181
Phosphorus	ppm	1015	1081	1052	1038
Barium	ppm	0	0	<1	<1
Boron	ppm	1	3	23	4

Depot: REC25STM
Unique No: 5604314
Signed: Wes Davis
Report Date: 29 Jun 2023



GRAPHS

