

# LIEBHERR

## CONSTRUCTION EQUIPMENT



[(345483) [566589]] LIEBHERR L586 062221-1761 - Diesel En

Sample No: LH0261150

Oil Type: PETRO CANADA 10W40



### SAMPLE INFORMATION

Sample Number	LH0261150	LH0235154	LH0235065	LH0239067
Sample Date	29 Jun 2023	09 Jan 2023	24 Oct 2022	02 Sep 2022
Machine Hours	5395	4655	4212	3708
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**BETON PROVINCIAL LTEE.**  
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### OIL CONDITION

Visc @ 100°C	cSt	12.1	14.3	13.8	13.6
Oxidation (PA)	%	76	59	61	63



### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	80	55	57	63
Sulfation (PA)	%	57	55	54	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	5	5	5
Sodium	ppm	4	1	1	2
Potassium	ppm	<1	<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	6	3	3	3
Copper	ppm	2	<1	1	6
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	<1	2	1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	58	58	56	49
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	863	1117	1147	1238
Magnesium	ppm	1122	959	940	829
Zinc	ppm	1214	1197	1177	1164
Phosphorus	ppm	1086	1094	1054	1044
Barium	ppm	0	0	0	0
Boron	ppm	24	<1	2	4

Depot: BETMAT  
 Unique No: 5616898  
 Signed: Kevin Marson  
 Report Date: 25 Jul 2023



### GRAPHS

