

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 090077 - Diesel Engine

Sample No: LH0276289

Oil Type: PETRO CANADA SUPREME 5W30



**ELG Canada**  
 4375 CORPORATE DRIVE  
 BURLINGTON, ON  
 CA L7L 5P7  
 Contact: Service Manager

T:  
 F: (905)335-9687

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### Sample Information

Sample Number	LH0276289	LH0230737	LH	LH0162667
Sample Date	16 Apr 2024	06 Jun 2022	05 Jan 2022	12 Mar 2020
Machine Hours	6756	5519	5072	4019
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 100°C	cSt	12.6	11.5	11.6	12.2
Oxidation (PA)	%	69	80	32	63



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	76	85	37	79
Sulfation (PA)	%	55	63	40	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	7	7	7
Sodium	ppm	2	5	3	2
Potassium	ppm	<1	3	1	1



#### Wear Metals

Iron	ppm	6	3	4	3
Copper	ppm	3	2	4	2
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	1	2	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	56	59	64	54
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	1046	834	908	1075
Magnesium	ppm	979	1187	1177	999
Zinc	ppm	1147	1265	1219	1195
Phosphorus	ppm	972	1109	1056	1014
Barium	ppm	0	0	0	<1
Boron	ppm	9	31	22	14

Depot: STR437BUR  
 Unique No: 5762641  
 Signed: Wes Davis  
 Report Date: 17 Apr 2024



### Graphs

