

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 144578-1253 - Diesel Engine

Sample No: LH0278719

Oil Type: PETRO CANADA SUPREME 5W30



#### Sample Information

Sample Number	LH0278719	LH0278638	LH	LH0250047
Sample Date	05 Apr 2024	15 Jan 2024	04 Oct 2023	22 Mar 2023
Machine Hours	1300	1200	0	498
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

#### Industrial Metals

550 Messier St.  
Winnipeg, MB  
CA R2J 0G5  
Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	---	---	---	70.2
Visc @ 100°C	cSt	11.7	11.6	12.7	11.8
Viscosity Index (VI)	Scale	---	---	---	164
Oxidation (PA)	%	71	72	75	207

T:  
F:

#### Diagnosis

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



#### Contamination

Water	%	0.082	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	68	68	67	100
Sulfation (PA)	%	55	56	58	116
Glycol	%	0.0	NEG	NEG	NEG
Fuel	%	<1.0	1.1	<1.0	1.4
Silicon	ppm	6	8	8	10
Sodium	ppm	4	4	3	2
Potassium	ppm	<1	<1	0	2



#### Wear Metals

Iron	ppm	6	7	6	10
Copper	ppm	25	25	148	207
Lead	ppm	<1	<1	4	8
Tin	ppm	0	<1	<1	1
Aluminum	ppm	1	2	2	4
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	54	54	42	45
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	875	887	1446	1428
Magnesium	ppm	1040	1040	704	936
Zinc	ppm	1159	1167	1147	855
Phosphorus	ppm	978	1012	940	783
Barium	ppm	<1	<1	2	21
Boron	ppm	44	44	17	115

Depot: IND550WIN  
Unique No: 5763600  
Signed: Wes Davis  
Report Date: 24 Apr 2024



### Graphs

