

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [EARTH BORING [572403]] LIEBHERR LB28 115607 - Main Crowd Win

Sample No: LH0256992

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### SAMPLE INFORMATION

Sample Number	LH0256992	LH0247352	LH0247353	LH0230902
Sample Date	03 Aug 2023	14 Dec 2022	14 Dec 2022	05 Jul 2022
Machine Hours	9018	8263	8263	7685
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### Liebherr Canada

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 Richmond, BC  
 CA V6W 1J8  
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#### OIL CONDITION

Visc @ 40°C	cSt	88.0	98.9	101	86.5
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#### CONTAMINATION

Silicon	ppm	13	2	4	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	2	<1	<1	<1



#### WEAR METALS

Iron	ppm	14	16	11	53
Copper	ppm	1	<1	1	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	5	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	20	15	28	14
Magnesium	ppm	2	1	2	2
Zinc	ppm	9	15	15	122
Phosphorus	ppm	924	1327	1285	1246
Barium	ppm	0	0	0	0
Boron	ppm	83	312	297	302

#### 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.

Depot: LIERIC  
 Unique No: 5620490  
 Signed: Wes Davis  
 Report Date: 11 Aug 2023



### GRAPHS

