

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [WILLIS KERR] LIEBHERR L586 59553 - Diesel Engine

Sample No: LH0173445

Oil Type: PETRO CANADA 10W40



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
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#### SAMPLE INFORMATION

Sample Number	LH0173445	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	4002	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	---	---	---
Oxidation (PA)	%	67	---	---	---



#### CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



#### WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	58	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1074	---	---	---
Magnesium	ppm	1001	---	---	---
Zinc	ppm	1203	---	---	---
Phosphorus	ppm	1044	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	<1	---	---	---

#### 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: LIEMIS  
 Unique No: 5616701  
 Signed: Wes Davis  
 Report Date: 24 Jul 2023



### GRAPHS

