

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 075036-1825 - Diesel Engine

Sample No: LH0266827

Oil Type: PETRO CANADA DURON UHP 10W40



#### SAMPLE INFORMATION

Sample Number	LH0266827	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	545	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Sintra Inc. (division Ouest)**  
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 Brossard, QC  
 CA J4Z 3V6  
 Contact: Service Manager  
 jonathan.smith@sintra.ca  
 T:  
 F:



#### OIL CONDITION

Visc @ 100°C	cSt	● 11.9	---	---	---
Oxidation (PA)	%	208	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0	---	---	---
Nitration (PA)	%	96	---	---	---
Sulfation (PA)	%	111	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	● 1.1	---	---	---
Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 3	---	---	---



#### WEAR METALS

Iron	ppm	● 8	---	---	---
Copper	ppm	● 164	---	---	---
Lead	ppm	● 8	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 46	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1364	---	---	---
Magnesium	ppm	● 920	---	---	---
Zinc	ppm	824	---	---	---
Phosphorus	ppm	705	---	---	---
Barium	ppm	45	---	---	---
Boron	ppm	88	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** SINBRO  
**Unique No:** 5736002  
**Signed:** Kevin Marson  
**Report Date:** 04 Mar 2024



### GRAPHS

