

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(362421)] LIEBHERR R936 052811-1828 - Diesel Engine

Sample No: LH0260927

Oil Type: NOT GIVEN



10 CHEMIN DU PETIT BERNIER  
ST-JEAN-SUR-RICHELIEU, QC  
CA J3B 6Y8  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0260927	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	1144	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Oxidation (PA)	%	77	---	---	---



#### CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.5	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	57	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	863	---	---	---
Magnesium	ppm	1121	---	---	---
Zinc	ppm	1190	---	---	---
Phosphorus	ppm	1058	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	52	---	---	---

T:  
F:

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: PYR10STJ  
Unique No: 5604547  
Signed: Kevin Marson  
Report Date: 04 Jul 2023



### GRAPHS

