

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R92256035 - Diesel Engine

Sample No: LH0260494

Oil Type: DIESEL ENGINE OIL SAE 30



#### SAMPLE INFORMATION

Sample Number	LH0260494	---	---	---
Sample Date	31 Jul 2023	---	---	---
Machine Hours	598	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### Liebherr Canada

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 Richmond, BC  
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#### OIL CONDITION

Visc @ 100°C	cSt	12.2	---	---	---
Oxidation (PA)	%	141	---	---	---



#### CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	84	---	---	---
Sulfation (PA)	%	91	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.4	---	---	---
Silicon	ppm	62	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	2	---	---	---

#### 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 (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	27	---	---	---
Copper	ppm	39	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	30	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	2084	---	---	---
Magnesium	ppm	641	---	---	---
Zinc	ppm	1008	---	---	---
Phosphorus	ppm	867	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	79	---	---	---

Depot: LIERIC  
 Unique No: 5632337  
 Signed: Kevin Marson  
 Report Date: 31 Aug 2023



### GRAPHS

