

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR716 015779-1422 - Diesel Engine

Sample No: LHMC93472

Oil Type: LIEBHERR



#### SAMPLE INFORMATION

Sample Number	LHMC93472	---	---	---
Sample Date	16 Mar 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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#### OIL CONDITION

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	8.5	---	---	---
Oxidation (PA)	%	58	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The wear metal levels do not reflect the reported failure. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



#### CONTAMINATION

Soot %	%	0.2	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	3.1	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

Iron	ppm	3	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	53	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1110	---	---	---
Magnesium	ppm	855	---	---	---
Zinc	ppm	1126	---	---	---
Phosphorus	ppm	922	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	21	---	---	---

**Depot:** BANDAL  
**Unique No:** 10384515  
**Signed:** Doug Bogart  
**Report Date:** 21 Mar 2023



### GRAPHS

