

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[TRI-CON]] LIEBHERR L586 052702-1334 - Diesel Engine

Sample No: LHMC133793

Oil Type: MOBIL DELVAC 1300 SUPER 10W30



#### SAMPLE INFORMATION

Sample Number	LHMC133793	LHMC133867	---	---
Sample Date	30 Oct 2023	08 Dec 2022	---	---
Machine Hours	6241	5216	---	---
Oil Hours	500	843	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**TRI-CON MATERIALS INC**  
 13559 PRAIRIE IND PKWY  
 HENNEPIN, IL  
 US 61327  
 Contact: TIM FRAZIER



#### OIL CONDITION

Visc @ 100°C	cSt	11.6	11.1	---	---
Base Number (BN)	mg KOH/g	7.0	10.2	---	---
Oxidation (PA)	%	58	83	---	---

T: (815)303-5555  
 F:

#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	77	80	---	---
Sulfation (PA)	%	53	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	1.3	---	---
Silicon	ppm	7	8	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	5	3	---	---



#### WEAR METALS

Iron	ppm	2	6	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	3	37	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



#### ADDITIVES

Calcium	ppm	1238	1953	---	---
Magnesium	ppm	647	439	---	---
Zinc	ppm	780	918	---	---
Phosphorus	ppm	751	772	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	49	62	---	---

Depot: TRIHENLH  
 Unique No: 10756290  
 Signed: Wes Davis  
 Report Date: 28 Nov 2023



### GRAPHS

