

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 9912-0265 - Diesel Engine

Sample No: LH0274812

Oil Type: CHEVRON DELO LE 5W40



#### SAMPLE INFORMATION

Sample Number	LH0274812	LH0274813	---	---
Sample Date	26 Jan 2024	01 Dec 2023	---	---
Machine Hours	0	29341	---	---
Oil Hours	250	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**LIEBHERR CANADA LTD. - REMAN**  
 1015 SUTTON DRIVE  
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 CA L7L 5Z8  
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#### OIL CONDITION

Visc @ 100°C	cSt	12.8	13.3	---	---
Base Number (BN)	mg KOH/g	9.8	9.6	---	---
Oxidation (PA)	%	71	63	---	---

#### 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	0.1	---	---
Nitration (PA)	%	71	53	---	---
Sulfation (PA)	%	54	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	10	---	---
Sodium	ppm	9	11	---	---
Potassium	ppm	1	1	---	---



#### WEAR METALS

Iron	ppm	11	7	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	55	56	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	798	895	---	---
Magnesium	ppm	996	1039	---	---
Zinc	ppm	1201	1293	---	---
Phosphorus	ppm	998	1054	---	---
Barium	ppm	3	9	---	---
Boron	ppm	52	50	---	---

Depot: REMAN  
 Unique No: 10888950  
 Signed: Wes Davis  
 Report Date: 22 Feb 2024



### GRAPHS

