

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 43526 - Diesel Engine

Sample No: LH0151146

Oil Type: CHEVRON DELO 400 SYNTHETIC 5W40



#### SAMPLE INFORMATION

Sample Number	LH0151146	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	1421	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**ENERGY CRANE SERVICE**  
 19 BOULDER BLVD  
 STANEY PLAIN, AB  
 CA T7Z 1V6  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	14.7	---	---	---
Oxidation (PA)	%	51	---	---	---

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---

#### 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 condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	11	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1259	---	---	---
Magnesium	ppm	673	---	---	---
Zinc	ppm	711	---	---	---
Phosphorus	ppm	661	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	83	---	---	---

Depot: ENE19STA  
 Unique No: 5737862  
 Signed: Kevin Marson  
 Report Date: 08 Mar 2024



### GRAPHS

