

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R974 025012 - Diesel Engine

Sample No: LH0266108

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0266108	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	16967	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

#### NELSON AGGREGATE

3114 BURNSIDE LINE  
SEVERN, ON  
CA L3V 0W1  
Contact: Service Manager  
sales@nelsonaggregate.com  
T: (705)325-2264  
F: (705)325-2265



#### OIL CONDITION

Visc @ 100°C	cSt	14.5	---	---	---
Oxidation (PA)	%	53	---	---	---



#### CONTAMINATION

Water	%	0.069	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	0.02	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	27	---	---	---
Potassium	ppm	3	---	---	---



#### WEAR METALS

Iron	ppm	14	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	60	---	---	---
Nickel	ppm	4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1050	---	---	---
Magnesium	ppm	966	---	---	---
Zinc	ppm	1202	---	---	---
Phosphorus	ppm	1078	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	5	---	---	---

#### Diagnosis

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. All component wear rates are normal. Test for glycol is positive. There is a light concentration of glycol present in the oil. The water content is negligible. The condition of the oil is acceptable for the time in service. The oil is no longer serviceable due to the presence of contaminants.

Depot: NELSEV  
Unique No: 5607605  
Signed: Wes Davis  
Report Date: 19 Jul 2023



### GRAPHS

