

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R914 056971-1511 - Diesel Engine

Sample No: LH0284027

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH0284027	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	480	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**WEKA HOLDINGS LTD**  
 2754 WOODLAND DRIVE  
 VANCOUVER, BC  
 CA V5N 3P8  
 Contact: Cam Turtle



#### OIL CONDITION

Visc @ 100°C	cSt	11.5	---	---	---
Oxidation (PA)	%	56	---	---	---

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.6	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	27	---	---	---
Copper	ppm	19	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	12	---	---	---
Chromium	ppm	4	---	---	---
Molybdenum	ppm	6	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1269	---	---	---
Magnesium	ppm	668	---	---	---
Zinc	ppm	796	---	---	---
Phosphorus	ppm	733	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	44	---	---	---

**Depot:** WEKVAN  
**Unique No:** 5733295  
**Signed:** Kevin Marson  
**Report Date:** 20 Feb 2024



### GRAPHS

