

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R914 047778-1511 - Diesel Engine

Sample No: LH0260821

Oil Type: PETRO CANADA DURON UHP 5W30



#### SAMPLE INFORMATION

Sample Number	LH0260821	LH0260719	---	---
Sample Date	28 Dec 2023	12 Sep 2023	---	---
Machine Hours	2195	1794	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**L.A. HERBERT**  
 9700 PLACE JADE  
 BROSSARD, QC  
 CA J4Y 3C1  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	13.7	11.9	---	---
Oxidation (PA)	%	53	53	---	---

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	47	63	---	---
Sulfation (PA)	%	50	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	9	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	3	2	---	---

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	11	20	---	---
Copper	ppm	<1	3	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	5	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	56	38	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1092	1375	---	---
Magnesium	ppm	935	616	---	---
Zinc	ppm	1142	969	---	---
Phosphorus	ppm	984	881	---	---
Barium	ppm	0	0	---	---
Boron	ppm	14	161	---	---

**Depot:** LAH970BRO  
**Unique No:** 5706938  
**Signed:** Wes Davis  
**Report Date:** 02 Jan 2024



### GRAPHS

