

LIEBHERR

CONSTRUCTION EQUIPMENT



[CANCON INC] LIEBHERR R920 45352 - Diesel Engine

Sample No: LH0279527

Oil Type: SAE 5W30



LIEBHERR CANADA LTEE
 4250 AUTOROUTE CHOMEDEY 13
 LAVAL, QC
 CA H7R 6E9
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SAMPLE INFORMATION

Sample Number	LH0279527	LH0215658	---	---
Sample Date	05 Dec 2023	10 Dec 2021	---	---
Machine Hours	24	1704	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.3	13.7	---	---
Oxidation (PA)	%	71	69	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0.1	---	---
Nitration (PA)	%	73	63	---	---
Sulfation (PA)	%	54	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	11	10	---	---
Sodium	ppm	5	2	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	25	104	---	---
Copper	ppm	6	4	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	5	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	64	5	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	849	1395	---	---
Magnesium	ppm	1146	769	---	---
Zinc	ppm	1215	820	---	---
Phosphorus	ppm	980	753	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	43	146	---	---

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: LIESTL
 Unique No: 5694892
 Signed: Kevin Marson
 Report Date: 11 Dec 2023



GRAPHS

