

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924C 038490-1066 - Diesel Engine

Sample No: LH0278320

Oil Type: PETRO CANADA SUPREME 5W30



AXCOR RENEWABLE ENERGY INC.
 1999 Route 470
 West Branch, NB
 CA E4W 2G9
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0278320	LH0106690	LH0106707	---
Sample Date	24 Nov 2023	05 Aug 2016	24 Jun 2016	---
Machine Hours	14977	4637	4085	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	10.9	10.9	11.7	---
Oxidation (PA)	%	65	57	53	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.6	0.2	---
Nitration (PA)	%	73	84	70	---
Sulfation (PA)	%	55	59	56	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	9	8	---
Sodium	ppm	3	3	2	---
Potassium	ppm	<1	1	<1	---

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	25	9	7	---
Copper	ppm	9	2	2	---
Lead	ppm	5	1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	60	4	2	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1248	2579	2265	---
Magnesium	ppm	858	9	9	---
Zinc	ppm	1244	1169	1072	---
Phosphorus	ppm	1020	999	914	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	14	7	5	---

Depot: AXASTE
 Unique No: 5694596
 Signed: Wes Davis
 Report Date: 07 Dec 2023



GRAPHS

