

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934BHD 030424-1007 - Swing Drive

Sample No: LH0246602

Oil Type: ESSO 75W90



#### SAMPLE INFORMATION

Sample Number	LH0246602	LH0087777	LHP0030280	---
Sample Date	14 Sep 2023	09 Apr 2015	25 Apr 2008	---
Machine Hours	0	10371	3000	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

#### Resolute Forest Products

1 Park Street, C/O MECH OILERS  
Iroquois Falls, ON  
CA P0K 1E0  
Contact: Ron Rioux



#### OIL CONDITION

Visc @ 40°C	cSt	86.7	87.3	179	---
-------------	-----	------	------	-----	-----

T: (705)258-3931  
F: (705)258-3677



#### CONTAMINATION

Water	%	---	0.068	---	---
Silicon	ppm	5	2	1	---
Sodium	ppm	3	2	3	---
Potassium	ppm	0	<1	2	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Chromium, nickel and antimony ppm levels are abnormal. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### WEAR METALS

Iron	ppm	1230	724	202	---
Copper	ppm	25	83	112	---
Lead	ppm	<1	2	1	---
Tin	ppm	<1	4	10	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	17	3	1	---
Molybdenum	ppm	1	0	<1	---
Nickel	ppm	3	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	10	8	4	---
Vanadium	ppm	<1	0	0	---



#### ADDITIVES

Calcium	ppm	14	23	62	---
Magnesium	ppm	2	<1	1	---
Zinc	ppm	16	54	43	---
Phosphorus	ppm	2208	1796	2224	---
Barium	ppm	0	0	6	---
Boron	ppm	72	16	28	---

Depot: ABIRO  
Unique No: 5645783  
Signed: Bill Quesnel  
Report Date: 25 Sep 2023



### GRAPHS

