

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934C 071592-1007 - Diesel Engine

Sample No: LH0246630

Oil Type: PETRO CANADA DURON UHP 5W40



#### Information sur l'échantillon

Numéro d'échant.	LH0246630	LH0081870	LH0081872	LH0081864
Date d'échant.	25 Apr 2024	15 Nov 2018	12 Oct 2018	07 Aug 2018
Heures de la Machine	27	18035	17604	17176
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Changed	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**NORSASK FOREST PRODUCTS**  
 BOX 9020, 6 kms East on Highway 55  
 MEADOW LAKE, SK  
 CA S0M 1V7  
 Contact: eric wideball  
 mechanic@norsask.ca  
 T: (306)236-7821  
 F: (306)236-4194



#### État d'huile

Visc 100°C	cSt	13.9	16.2	16.5	15.3
Oxydation (PA)	%	47	84	91	91



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	4.7	4.6	3.5
Nitration (PA)	%	59	106	112	108
Sulfatation (PA)	%	47	87	88	82
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	0.4	<1.0	0.4
Silicium	ppm	8	8	10	9
Sodium	ppm	22	4	5	5
Potassium	ppm	2	0	0	0

#### Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### Métaux d'usure

Fer	ppm	4	28	30	27
Cuivre	ppm	26	1	1	1
Plomb	ppm	1	<1	<1	2
Étain	ppm	0	0	0	0
Aluminium	ppm	2	<1	<1	<1
Chrome	ppm	0	<1	<1	<1
Molybdène	ppm	6	63	65	66
Nickel	ppm	0	0	0	0
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	2163	890	879	904
Magnésium	ppm	108	1134	1165	1185
Zinc	ppm	1094	1231	1266	1297
Phosphore	ppm	984	1002	1024	1036
Baryum	ppm	19	0	0	0
Bore	ppm	69	29	27	23

Depot: NORMEA  
 Unique No: 5774529  
 Signed: Wes Davis  
 Report Date: 06 May 2024



### Graphs

