

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(366409)] LIEBHERR R945 053994-1866 - Swing Drive

Sample No: LH0285025

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0285025	LH0237707	LH0237749	LH0242484
Date d'échant.	08 Feb 2024	11 Aug 2023	06 Mar 2023	28 Nov 2022
Heures de la Machine	4053	3069	2125	1583
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	SEVERE	ABNORMAL	NORMAL	NORMAL

THOMAS CAVANAGH CONSTRUCTION LTD  
RR # 2, 9094 CAVANAGH ROAD  
ASHTON, ON  
CA K0A 1B0  
Contact: Keith



#### ÉTAT D'HUILE

Visc 40°C	cSt	146	112	129	203
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T: (613)257-4995  
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#### CONTAMINATION

Eau	%	1.519	NEG	NEG	NEG
Silicium	ppm	4	5	4	2
Sodium	ppm	2	1	2	4
Potassium	ppm	2	1	1	<1

#### Diagnostic

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Chromium and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a high concentration of water present in the oil. The white residue present in the sample is oil additive precipitate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### MÉTAUX D'USURE

PQ		0	0	---	---
Fer	ppm	1006	817	420	656
Cuivre	ppm	1	<1	<1	<1
Plomb	ppm	2	<1	0	0
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	1	<1	<1
Chrome	ppm	13	11	6	12
Molybdène	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titane	ppm	0	<1	<1	<1
Argent	ppm	0	0	<1	0
Manganèse	ppm	8	7	5	8
Vanadium	ppm	0	<1	0	0



#### ADDITIFS

Calcium	ppm	11	16	6	12
Magnésium	ppm	1	2	<1	<1
Zinc	ppm	13	16	11	12
Phosphore	ppm	1841	1390	1432	1642
Baryum	ppm	0	1	2	6
Bore	ppm	126	129	183	3

Depot: CAVASH  
Unique No: 5734586  
Signed: Kevin Marson  
Report Date: 23 Feb 2024



### GRAPHS

