

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R930 052446-1716 - Right Final Drive

Sample No: LH0286579

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



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

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#### Information sur l'échantillon

Numéro d'échant.	LH0286579	LH0202860	LH0242616	---
Date d'échant.	16 May 2024	12 Jun 2023	15 Nov 2022	---
Heures de la Machine	3969	2977	2489	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Not Changd	---
Statut de l'échant.	ABNORMAL	SEVERE	ABNORMAL	---



#### État d'huile

Visc 40°C	cSt	119	334	239	---
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#### Contamination

Eau	%	NEG	NEG	NEG	---
Silicium	ppm	788	733	202	---
Sodium	ppm	50	58	16	---
Potassium	ppm	75	65	19	---



#### Métaux d'usure

PQ		637	313	88	---
Fer	ppm	1382	1827	949	---
Cuivre	ppm	<1	1	<1	---
Plomb	ppm	0	<1	0	---
Étain	ppm	0	0	0	---
Aluminium	ppm	208	195	48	---
Chrome	ppm	19	25	12	---
Molybdène	ppm	<1	2	1	---
Nickel	ppm	<1	1	<1	---
Titane	ppm	12	13	3	---
Argent	ppm	0	1	0	---
Manganèse	ppm	14	16	8	---
Vanadium	ppm	0	<1	<1	---



#### Additifs

Calcium	ppm	459	2005	1898	---
Magnésium	ppm	70	56	19	---
Zinc	ppm	182	707	730	---
Phosphore	ppm	1575	4707	4624	---
Baryum	ppm	3	5	2	---
Bore	ppm	103	4	5	---

#### Diagnostic

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. PQ levels are abnormal. Chromium and iron ppm levels are abnormal. Aluminum ppm levels are noted. Titanium ppm levels are marginal. Gear wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CAVASH  
Unique No: 5786444  
Signed: Kevin Marson  
Report Date: 24 May 2024



### Graphs

