

LIEBHERR

CONSTRUCTION EQUIPMENT



[(355226)] LIEBHERR R938 053191-1650 - Right Final Drive

Sample No: LH0195724

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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.	LH0195724	LH0242609	LH0239643	---
Date d'échant.	26 Jul 2023	24 Nov 2022	25 Jul 2022	---
Heures de la Machine	3133	2095	1668	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Changed	---
Statut de l'échant.	ABNORMAL	NORMAL	SEVERE	---



ÉTAT D'HUILE

Visc 40°C	cSt	97.2	97.7	209	---
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CONTAMINATION

Silicium	ppm	595	52	2037	---
Sodium	ppm	45	7	154	---
Potassium	ppm	60	7	204	---



MÉTAUX D'USURE

PQ		83	---	1173	---
Fer	ppm	1285	83	2769	---
Cuivre	ppm	<1	0	1	---
Plomb	ppm	0	2	<1	---
Étain	ppm	0	0	0	---
Aluminium	ppm	178	15	580	---
Chrome	ppm	23	4	34	---
Molybdène	ppm	2	<1	1	---
Nickel	ppm	1	<1	6	---
Titane	ppm	11	1	39	---
Argent	ppm	<1	0	0	---
Manganèse	ppm	14	2	30	---
Vanadium	ppm	<1	0	1	---



ADDITIFS

Calcium	ppm	137	55	489	---
Magnésium	ppm	55	8	198	---
Zinc	ppm	28	22	26	---
Phosphore	ppm	1448	1339	1287	---
Baryum	ppm	5	10	40	---
Bore	ppm	235	290	10	---

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. Chromium and iron ppm levels are abnormal. Aluminum ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. 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: 5618087
Signed: Kevin Marson
Report Date: 28 Jul 2023



GRAPHS

