

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0284895

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

Número d'échant.	LH0284895	LH0195719	LH0242485	LH0239642
Date d'échant.	13 Feb 2024	26 Jul 2023	24 Nov 2022	25 Jul 2022
Heures de la Machine	3960	3133	2095	1668
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	NORMAL	SEVERE



ÉTAT D'HUILE

Visc 40°C	cSt	123	112	103	211
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CONTAMINATION

Eau	%	0.142	NEG	NEG	NEG
Silicium	ppm	1053	1236	44	2399
Sodium	ppm	79	104	39	181
Potassium	ppm	99	100	7	250



MÉTAUX D'USURE

PQ		309	185	---	1459
Fer	ppm	964	2702	87	2916
Cuivre	ppm	<1	3	<1	2
Plomb	ppm	<1	<1	<1	1
Étain	ppm	0	0	<1	0
Aluminium	ppm	292	314	11	709
Chrome	ppm	23	27	<1	34
Molybdène	ppm	2	2	0	1
Nickel	ppm	2	4	<1	4
Titane	ppm	18	21	<1	49
Argent	ppm	0	0	0	0
Manganèse	ppm	11	21	<1	33
Vanadium	ppm	0	1	<1	2



ADDITIFS

Calcium	ppm	236	282	35	479
Magnésium	ppm	91	83	6	232
Zinc	ppm	33	34	22	33
Phosphore	ppm	1833	2188	1275	1313
Baryum	ppm	3	84	359	33
Bore	ppm	97	171	225	9

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. Aluminum ppm levels are noted. Titanium ppm levels are marginal. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The water content is negligible. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: CAVASH
Unique No: 5734821
Signed: Kevin Marson
Report Date: 27 Feb 2024



GRAPHS

