

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924CHDSL 033185-1066 - Left Final Drive

Sample No: LH0278322

Oil Type: GEAR OIL SAE 75W90



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0278322	---	---	---
Date d'échant.	18 Mar 2024	---	---	---
Heures de la Machine	12645	---	---	---
Heures de l'huile	0	---	---	---
Huile changée	Changed	---	---	---
Statut de l'échant.	SEVERE	---	---	---

Terramac Contracting Ltd.
 10 Eveleigh Dr.
 North Sydney, NS
 CA B1V 3K6
 Contact: Vernon Mackillop



ÉTAT D'HUILE

Visc 40°C	cSt	● 95.2	---	---	---
-----------	-----	--------	-----	-----	-----

T: (902)565-6668
 F:



CONTAMINATION

Eau	%	NEG	---	---	---
Silicium	ppm	● 1335	---	---	---
Sodium	ppm	● 44	---	---	---
Potassium	ppm	● 72	---	---	---

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. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm. Chromium and copper and iron ppm levels are severe. PQ levels are severe. Tin and nickel ppm levels are abnormal. Aluminum ppm levels are noted. Titanium ppm levels are marginal. Gear wear is indicated. Bearing and/or bushing wear is indicated. The very high ferrous density (PQ) index indicates that severe 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. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



MÉTAUX D'USURE

PQ		● 2110	---	---	---
Fer	ppm	● 3464	---	---	---
Cuivre	ppm	● 392	---	---	---
Plomb	ppm	● 11	---	---	---
Étain	ppm	● 17	---	---	---
Aluminium	ppm	● 276	---	---	---
Chrome	ppm	● 68	---	---	---
Molybdène	ppm	● 6	---	---	---
Nickel	ppm	● 14	---	---	---
Titane	ppm	● 19	---	---	---
Argent	ppm	0	---	---	---
Manganèse	ppm	39	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIFS

Calcium	ppm	● 281	---	---	---
Magnésium	ppm	● 55	---	---	---
Zinc	ppm	● 64	---	---	---
Phosphore	ppm	● 1170	---	---	---
Baryum	ppm	● 0	---	---	---
Bore	ppm	● 212	---	---	---

Depot: TERSYD
Unique No: 5748239
Signed: Kevin Marson
Report Date: 19 Mar 2024



GRAPHS

