

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924CHDSL 033185-1066 - Right Final Drive

Sample No: LH0280913

Oil Type: GEAR OIL SAE 75W90



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0280913	---	---	---
Date d'échant.	18 Mar 2024	---	---	---
Heures de la Machine	12645	---	---	---
Heures de l'huile	0	---	---	---
Huile changée	N/A	---	---	---
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	● 94.4	---	---	---
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T: (902)565-6668
 F:



CONTAMINATION

Eau	%	NEG	---	---	---
Silicium	ppm	● 924	---	---	---
Sodium	ppm	● 34	---	---	---
Potassium	ppm	● 61	---	---	---

Diagnostic

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. 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. Copper ppm levels are severe. Iron and tin and chromium ppm levels are abnormal. Aluminum ppm levels are noted. Titanium ppm levels are marginal. Bearing and/or bushing wear is indicated. 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. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



MÉTAUX D'USURE

PQ		● 203	---	---	---
Fer	ppm	● 1946	---	---	---
Cuivre	ppm	● 347	---	---	---
Plomb	ppm	● 10	---	---	---
Étain	ppm	● 15	---	---	---
Aluminium	ppm	● 222	---	---	---
Chrome	ppm	● 37	---	---	---
Molybdène	ppm	● 3	---	---	---
Nickel	ppm	● 6	---	---	---
Titane	ppm	● 11	---	---	---
Argent	ppm	0	---	---	---
Manganèse	ppm	24	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIFS

Calcium	ppm	● 235	---	---	---
Magnésium	ppm	● 47	---	---	---
Zinc	ppm	● 59	---	---	---
Phosphore	ppm	● 1181	---	---	---
Baryum	ppm	● <1	---	---	---
Bore	ppm	● 199	---	---	---

Depot: TERSYD
Unique No: 5748240
Signed: Kevin Marson
Report Date: 19 Mar 2024



GRAPHS

