

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R954C 023859 - Swing Drive

Sample No: LH0278970

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Gerdau Ameristeel
55A Fenmar Drive
Toronto, ON
CA M9L 1M3
Contact: Liebherr Maintenance



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0278970	LH0215812	LH	LH
Date d'échant.	31 Oct 2023	03 Dec 2021	08 Apr 2021	07 Oct 2020
Heures de la Machine	21550	19606	18645	18017
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	ABNORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	100	101	97.0	102
		●	●	●	●



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Silicium	ppm	● 6	● 2	● 3	● 4
Sodium	ppm	● 1	● <1	● <1	● 0
Potassium	ppm	● <1	● <1	● <1	● <1



MÉTAUX D'USURE

PQ		● 0	---	---	● 8
Fer	ppm	● 1265	● 607	● 404	● 808
Cuivre	ppm	● 75	● 76	● 40	● 101
Plomb	ppm	● 5	● 2	● 2	● 3
Étain	ppm	● 1	● <1	● <1	● <1
Aluminium	ppm	● <1	● 0	● <1	● <1
Chrome	ppm	● 12	● 7	● 5	● 8
Molybdène	ppm	● <1	● <1	● <1	● <1
Nickel	ppm	● 5	● 2	● 2	● 2
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	<1	<1
Manganèse	ppm	● 8	● 4	● 2	● 6
Vanadium	ppm	0	0	<1	<1



ADDITIFS

Calcium	ppm	● 11	● 7	● 6	● 10
Magnésium	ppm	● 2	● 1	● 2	● 2
Zinc	ppm	● 31	● 15	● 16	● 20
Phosphore	ppm	● 1223	● 1296	● 1167	● 1309
Baryum	ppm	● 0	● 0	● 0	● 0
Bore	ppm	● 252	● 151	● 195	● 159

T:
F:

Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Chromium and iron ppm levels are abnormal. Nickel ppm levels are marginal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: GERTOR
Unique No: 5694729
Signed: Kevin Marson
Report Date: 08 Dec 2023

