

LIEBHERR

CONSTRUCTION EQUIPMENT



[(339785)] LIEBHERR LH40C127765-1527 - Right Final Drive

Sample No: LH0279030

Oil Type: GEAR OIL SAE 80W90



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0279030	LH0234702	LH0227349	LH
Date d'échant.	05 Nov 2023	22 Sep 2022	09 Mar 2022	11 Nov 2021
Heures de la Machine	6621	4278	3064	2288
Heures de l'huile	0	0	0	0
Huile changée	N/A	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

BENMET STEEL & METAL
3961 ROAD 111
STRATFORD, ON
CA N5A 6S5
Contact: Service Manager



ÉTAT D'HUILE

Visc 40°C	cSt	90.0	97.3	100	96.9
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T:
F:



CONTAMINATION

Eau	%	---	---	---	0.419
Silicium	ppm	131	111	153	19
Sodium	ppm	10	8	7	3
Potassium	ppm	9	9	15	3

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 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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



MÉTAUX D'USURE

PQ		43	12	---	---
Fer	ppm	1312	766	243	200
Cuivre	ppm	1	<1	<1	<1
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	32	28	44	4
Chrome	ppm	18	10	4	3
Molybdène	ppm	<1	<1	<1	<1
Nickel	ppm	8	5	2	1
Titane	ppm	2	2	3	<1
Argent	ppm	<1	0	<1	<1
Manganèse	ppm	11	8	3	3
Vanadium	ppm	0	<1	<1	<1



ADDITIFS

Calcium	ppm	111	72	120	34
Magnésium	ppm	35	32	32	8
Zinc	ppm	35	30	18	21
Phosphore	ppm	1267	1329	1295	1286
Baryum	ppm	<1	<1	0	1
Bore	ppm	231	131	289	204

Depot: BEN396STR
Unique No: 5671412
Signed: Kevin Marson
Report Date: 07 Nov 2023



GRAPHS

