

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R938 050294-1650 - Swing Drive

Sample No: LH0172358

Oil Type: GEAR OIL SAE 75W90



INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0172358	LH0172349	LH0257076	LH0172322
Date d'échant.	03 Jan 2024	11 Jul 2023	21 Mar 2023	14 Oct 2021
Heures de la Machine	4951	4478	4098	2273
Heures de l'huile	0	0	0	0
Huile changée	Changed	Not Changd	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	ABNORMAL	NORMAL

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ÉTAT D'HUILE

Visc 40°C	cSt	102	102	94.5	102
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CONTAMINATION

Eau	%	0.179	NEG	NEG	NEG
Silicium	ppm	6	3	2	<1
Sodium	ppm	<1	1	2	<1
Potassium	ppm	4	<1	<1	1



MÉTAUX D'USURE

PQ		0	---	0	---
Fer	ppm	1181	460	1179	748
Cuivre	ppm	<1	<1	<1	<1
Plomb	ppm	0	<1	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	1	<1	0	<1
Chrome	ppm	14	5	12	9
Molybdène	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	0	0	<1	0
Argent	ppm	0	0	0	<1
Manganèse	ppm	8	3	9	8
Vanadium	ppm	0	0	<1	0



ADDITIFS

Calcium	ppm	9	10	15	8
Magnésium	ppm	1	2	0	0
Zinc	ppm	10	10	11	10
Phosphore	ppm	1255	1340	1412	815
Baryum	ppm	0	<1	0	0
Bore	ppm	178	228	62	3

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. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a trace of moisture present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MOOPAL
 Unique No: 5709376
 Signed: Kevin Marson
 Report Date: 15 Jan 2024



GRAPHS

