

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 058691-1464 - Diesel Engine

Sample No: LH0286656

Oil Type: SAE 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0286656	LH0276175	LH0237316	LH
Date d'échant.	19 Mar 2024	14 Sep 2023	02 Nov 2022	14 Jul 2022
Heures de la Machine	3920	3196	1759	997
Heures de l'huile	0	0	0	0
Huile changée	Changed	N/A	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**OXFORD SAND AND GRAVEL LTD**  
594728 OXFORD 59  
WOODSTOCK, ON  
CA N4S 7V8  
Contact: Service Manager



#### ÉTAT D'HUILE

Visc 100°C	cSt	12.9	11.1	13.1	11.7
Oxydation (PA)	%	68	90	71	87

T:  
F:



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	68	70	70	70
Sulfatation (PA)	%	53	63	57	65
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	1.5	<1.0	1.4
Silicium	ppm	4	7	6	8
Sodium	ppm	2	3	2	4
Potassium	ppm	0	<1	<1	3

#### Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### MÉTAUX D'USURE

Fer	ppm	7	6	10	8
Cuivre	ppm	22	48	231	13
Plomb	ppm	<1	2	6	1
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	0	1	1	1
Chrome	ppm	0	<1	<1	0
Molybdène	ppm	57	41	58	57
Nickel	ppm	0	<1	0	0
Titane	ppm	0	<1	<1	<1
Argent	ppm	0	<1	0	<1
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1187	1738	1086	936
Magnésium	ppm	920	511	984	1092
Zinc	ppm	1157	900	1183	1204
Phosphore	ppm	944	791	1047	998
Baryum	ppm	<1	0	<1	2
Bore	ppm	4	24	4	40

Depot: OXF594WOO  
Unique No: 5748414  
Signed: Wes Davis  
Report Date: 20 Mar 2024



### GRAPHS

