

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 049453-1464 - Diesel Engine

Sample No: LH0278973

Oil Type: DIESEL ENGINE OIL SAE 40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0278973	LH0251690	LH0216015	LH
Date d'échant.	14 Nov 2023	27 Jan 2023	31 Aug 2022	01 Feb 2022
Heures de la Machine	9097	7157	6321	0
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

**Summit Aggregates**  
 2686 Greenfield Blvd.  
 Ayr, ON  
 CA N0B 1E0  
 Contact: Greg .  
 greg@summitagg.com  
 T: (226)791-0161  
 F:



#### ÉTAT D'HUILE

Visc 100°C	cSt	13.0	13.0	12.1	11.5
Oxydation (PA)	%	69	66	77	31



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	73	69	78	35
Sulfatation (PA)	%	55	55	60	37
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	1.1	1.5
Silicium	ppm	2	8	6	6
Sodium	ppm	1	2	4	4
Potassium	ppm	0	0	<1	<1

#### 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	6	3	5	8
Cuivre	ppm	2	2	3	2
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	<1	<1	<1	<1
Aluminium	ppm	1	1	1	1
Chrome	ppm	<1	<1	0	<1
Molybdène	ppm	59	59	51	59
Nickel	ppm	<1	0	0	<1
Titane	ppm	0	0	<1	0
Argent	ppm	<1	0	0	<1
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1016	1157	939	839
Magnésium	ppm	997	959	981	1206
Zinc	ppm	1183	1208	1148	1266
Phosphore	ppm	985	1075	943	1081
Baryum	ppm	<1	0	0	0
Bore	ppm	8	6	23	22

**Depot:** SUMAYR  
**Unique No:** 5681569  
**Signed:** Wes Davis  
**Report Date:** 15 Nov 2023



### GRAPHS

