

LIEBHERR

CONSTRUCTION EQUIPMENT



[(360377)] LIEBHERR L580 059426-1464 - Diesel Engine

Sample No: LH0237635

Oil Type: PETRO CANADA 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0237635	LH0242479	LH0239705	LH0230692
Date d'échant.	19 Jul 2023	17 Nov 2022	18 Aug 2022	31 May 2022
Heures de la Machine	4747	3593	2987	2443
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

CLOUTIER VENTURES LTD.
 59 MATTHEWS STREET, R.R. # 5
 PEMBROKE, ON
 CA K8A 0A6
 Contact: Travis Bennett
 tbennett@cloutierconst.com
 T: (613)735-6531
 F: (613)735-2769



ÉTAT D'HUILE

Visc 100°C	cSt	13.1	10.6	13.4	12.8
Oxydation (PA)	%	57	58	61	26



CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	57	57	57	33
Sulfatation (PA)	%	53	53	55	41
Glycol	%	NEG	NEG	NEG	0.0
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	5	4	6	6
Sodium	ppm	2	1	2	2
Potassium	ppm	<1	<1	2	<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	4	4	5	10
Cuivre	ppm	2	14	96	372
Plomb	ppm	<1	<1	3	11
Étain	ppm	<1	<1	<1	<1
Aluminium	ppm	<1	1	<1	1
Chrome	ppm	<1	0	<1	<1
Molybdène	ppm	56	49	57	59
Nickel	ppm	0	0	0	0
Titane	ppm	0	<1	<1	0
Argent	ppm	<1	0	0	<1
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1004	900	1081	1077
Magnésium	ppm	981	822	968	1034
Zinc	ppm	1169	988	1169	1277
Phosphore	ppm	1036	915	954	1063
Baryum	ppm	0	0	0	<1
Bore	ppm	5	<1	1	2

Depot: CLOPEM
Unique No: 5630691
Signed: Wes Davis
Report Date: 23 Aug 2023



GRAPHS

