

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0237638

Oil Type: PETRO CANADA 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0237638	LH0237635	LH0242479	LH0239705
Date d'échant.	08 Sep 2023	19 Jul 2023	17 Nov 2022	18 Aug 2022
Heures de la Machine	5106	4747	3593	2987
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

CLOUTHIER VENTURES LTD.
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ÉTAT D'HUILE

Visc 100°C	cSt	14.1	13.1	10.6	13.4
Oxydation (PA)	%	55	57	58	61



CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	48	57	57	57
Sulfatation (PA)	%	50	53	53	55
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	4	5	4	6
Sodium	ppm	1	2	1	2
Potassium	ppm	<1	<1	<1	2

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	2	4	4	5
Cuivre	ppm	<1	2	14	96
Plomb	ppm	<1	<1	<1	3
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	<1	<1	1	<1
Chrome	ppm	0	<1	0	<1
Molybdène	ppm	57	56	49	57
Nickel	ppm	0	0	0	0
Titane	ppm	0	0	<1	<1
Argent	ppm	<1	<1	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1026	1004	900	1081
Magnésium	ppm	957	981	822	968
Zinc	ppm	1165	1169	988	1169
Phosphore	ppm	974	1036	915	954
Baryum	ppm	<1	0	0	0
Bore	ppm	1	5	<1	1

Depot: CLOPEM
 Unique No: 5646518
 Signed: Kevin Marson
 Report Date: 27 Sep 2023



GRAPHS

