

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340370)] LIEBHERR R945 050696-1866 - Diesel Engine

Sample No: LH0274810

Oil Type: PETRO CANADA 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0274810	LH0247010	LH0178575	LH0222719
Date d'échant.	10 Oct 2023	27 Jun 2023	18 Jul 2022	28 Apr 2022
Heures de la Machine	4465	4010	2482	2019
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	NORMAL	NORMAL

CLOUTHIER VENTURES LTD.
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ÉTAT D'HUILE

Visc 100°C	cSt	13.4	11.4	13.8	13.6
Oxydation (PA)	%	61	72	62	62



CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	59	79	60	67
Sulfatation (PA)	%	51	57	53	57
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	2.2	<1.0	<1.0
Silicium	ppm	6	20	7	6
Sodium	ppm	2	4	2	1
Potassium	ppm	0	<1	<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	2	3	4	14
Cuivre	ppm	1	1	2	3
Plomb	ppm	<1	0	<1	<1
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	<1	1	<1	1
Chrome	ppm	0	<1	0	<1
Molybdène	ppm	59	58	55	58
Nickel	ppm	0	0	0	<1
Titane	ppm	0	0	<1	<1
Argent	ppm	<1	0	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1010	843	1115	1052
Magnésium	ppm	987	1108	939	993
Zinc	ppm	1196	1206	1171	1226
Phosphore	ppm	999	1067	987	1084
Baryum	ppm	<1	0	0	<1
Bore	ppm	4	29	1	2

Depot: CLOPEM
 Unique No: 5657608
 Signed: Kevin Marson
 Report Date: 12 Oct 2023



GRAPHS

