

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R945 055435-1866 - Diesel Engine

Sample No: LH0252141

Oil Type: PETRO CANADA 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0252141	LH0252127	LH0256973	---
Date d'échant.		27 Nov 2023	31 Jul 2023	27 Mar 2023	---
Heures de la Machine		2001	1467	1015	---
Heures de l'huile		0	0	0	---
Huile changée		Changed	Changed	Changed	---
Statut de l'échant.		NORMAL	NORMAL	NORMAL	---

CLOUTHIER VENTURES LTD.
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ÉTAT D'HUILE

Visc 100°C	cSt	13.2	13.5	13.2	---
Oxydation (PA)	%	64	60	73	---



CONTAMINATION

Eau	%	NEG	NEG	NEG	---
% de suie	%	0	0	0	---
Nitration (PA)	%	67	62	71	---
Sulfatation (PA)	%	51	54	62	---
Glycol	%	NEG	NEG	NEG	---
Essence	%	<1.0	<1.0	<1.0	---
Silicium	ppm	7	8	6	---
Sodium	ppm	2	1	1	---
Potassium	ppm	<1	<1	0	---

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	6	---
Cuivre	ppm	2	2	5	---
Plomb	ppm	<1	<1	2	---
Étain	ppm	0	<1	<1	---
Aluminium	ppm	1	1	2	---
Chrome	ppm	<1	<1	<1	---
Molybdène	ppm	58	57	58	---
Nickel	ppm	0	0	<1	---
Titane	ppm	0	0	<1	---
Argent	ppm	<1	0	0	---
Manganèse	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIFS

Calcium	ppm	1046	1050	1163	---
Magnésium	ppm	983	987	961	---
Zinc	ppm	1188	1183	1155	---
Phosphore	ppm	1009	1062	1053	---
Baryum	ppm	<1	<1	2	---
Bore	ppm	4	4	10	---

Depot: CLOPEM
 Unique No: 5684897
 Signed: Kevin Marson
 Report Date: 30 Nov 2023



GRAPHS

