

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340369)] LIEBHERR R920 045718-1705 - Diesel Engine

Sample No: LH0285095

Oil Type: PETRO CANADA 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0285095	LH0274845	LH0247507	LH0251813
Date d'échant.	25 Jan 2024	06 Oct 2023	24 Jun 2023	14 Mar 2023
Heures de la Machine	5338	4924	4406	0
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	14.6	13.6	12.2	12.6
Oxydation (PA)	%	73	67	81	89



CONTAMINATION

Eau	%	0.026	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	73	68	88	88
Sulfatation (PA)	%	59	56	63	69
Glycol	%	0.0	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	17	7	23	8
Sodium	ppm	2	2	5	5
Potassium	ppm	<1	0	<1	0

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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	9	10	12	11
Cuivre	ppm	<1	1	2	2
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	2	1	2	2
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	60	58	61	58
Nickel	ppm	<1	0	0	0
Titane	ppm	0	7	4	8
Argent	ppm	0	<1	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1143	1186	965	1101
Magnésium	ppm	993	964	1137	1100
Zinc	ppm	1245	1267	1273	1316
Phosphore	ppm	1040	1037	1112	1166
Baryum	ppm	0	<1	0	0
Bore	ppm	2	12	33	44

Depot: CLOPEM
 Unique No: 5722785
 Signed: Wes Davis
 Report Date: 07 Feb 2024



GRAPHS

