

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0247507

Oil Type: PETRO CANADA SUPREME 5W30



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0247507	LH0251813	LH0242546	LH0195625
Date d'échant.	24 Jun 2023	14 Mar 2023	03 Nov 2022	12 Jul 2022
Heures de la Machine	4406	0	3329	2793
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.
 59 MATTHEWS STREET, R.R. # 5
 PEMBROKE, ON
 CA K8A 0A6
 Contact: Travis Bennett
 tbennett@clouthierconst.com
 T: (613)735-6531
 F: (613)735-2769



ÉTAT D'HUILE

Visc 100°C	cSt	12.2	12.6	14.2	13.4
Oxydation (PA)	%	81	89	75	73



CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	88	88	76	78
Sulfatation (PA)	%	63	69	60	63
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	23	8	22	5
Sodium	ppm	5	5	3	3
Potassium	ppm	<1	0	0	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	12	11	11	13
Cuivre	ppm	2	2	4	2
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	0	<1	<1
Aluminium	ppm	2	2	2	1
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	61	58	57	62
Nickel	ppm	0	0	0	0
Titane	ppm	4	8	4	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	965	1101	1225	1147
Magnésium	ppm	1137	1100	929	1016
Zinc	ppm	1273	1316	1221	1288
Phosphore	ppm	1112	1166	1098	1080
Baryum	ppm	0	0	0	0
Bore	ppm	33	44	8	4

Depot: CLOPEM
 Unique No: 5630720
 Signed: Wes Davis
 Report Date: 23 Aug 2023



GRAPHS

