

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R954C 023859 - Diesel Engine

Sample No: LH0289336

Oil Type: PETRO CANADA 10W40



Information sur l'échantillon

Numéro d'échant.	LH0289336	LH0278968	LH0251354	LH0195775
Date d'échant.	25 Jun 2024	07 Nov 2023	14 Mar 2023	13 Apr 2022
Heures de la Machine	22122	21581	21061	20026
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

Gerdau Ameristeel

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Toronto, ON

CA M9L 1M3

Contact: Liebherr Maintenance



État d'huile

Visc 100°C	cSt	10.6	13.6	13.1	11.9
Oxydation (PA)	%	56	75	66	55

T:

F:



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0.5	1	0.5	0.4
Nitration (PA)	%	56	87	74	58
Sulfatation (PA)	%	57	67	65	57
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	0.0	<1.0	<1.0	<1.0
Silicium	ppm	4	7	6	5
Sodium	ppm	2	3	2	2
Potassium	ppm	2	2	0	<1

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	11	20	13	15
Cuivre	ppm	8	12	6	4
Plomb	ppm	0	1	2	<1
Étain	ppm	<1	1	<1	<1
Aluminium	ppm	2	4	2	2
Chrome	ppm	1	<1	<1	<1
Molybdène	ppm	38	51	62	52
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	2	16	<1	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	780	1321	1169	896
Magnésium	ppm	613	866	1003	847
Zinc	ppm	970	1244	1219	1141
Phosphore	ppm	773	984	1109	988
Baryum	ppm	<1	<1	0	0
Bore	ppm	3	12	1	4

Depot: GERTOR

Unique No: 5801634

Signed: Kevin Marson

Report Date: 27 Jun 2024



Graphs

