

LIEBHERR

CONSTRUCTION EQUIPMENT



062154-1049 - Diesel Engine

Sample No: LH0291113

Oil Type: PETRO CANADA 10W40



Information sur l'échantillon

Numéro d'échant.	LH0291113	LH0123037	LH0202957	LH0222350
Date d'échant.	13 May 2024	26 Oct 2023	22 Jun 2023	10 May 2022
Heures de la Machine	12610	12421	12090	11897
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

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État d'huile

Visc 100°C	cSt	13.2	13.3	12.9	12.8
Oxydation (PA)	%	55	57	54	56



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0.4	0	0
Nitration (PA)	%	49	56	49	58
Sulfatation (PA)	%	50	53	49	55
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	5	6	6	8
Sodium	ppm	1	1	2	2
Potassium	ppm	<1	0	<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	3	6	3	8
Cuivre	ppm	2	4	5	4
Plomb	ppm	0	2	1	4
Étain	ppm	0	0	0	<1
Aluminium	ppm	<1	1	1	2
Chrome	ppm	0	0	0	<1
Molybdène	ppm	59	60	58	62
Nickel	ppm	0	0	<1	0
Titane	ppm	<1	0	<1	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	1021	1075	1073	1197
Magnésium	ppm	957	958	944	942
Zinc	ppm	1150	1195	1179	1271
Phosphore	ppm	1001	1008	1047	1098
Baryum	ppm	0	<1	0	0
Bore	ppm	1	1	2	8

Depot: BAKOTT
Unique No: 577666
Signed: Wes Davis
Report Date: 15 May 2024



Graphs

