

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L546 054052-1560 - Diesel Engine

Sample No: LH0169002

Oil Type: DIESEL ENGINE OIL SAE 15W40



Information sur l'échantillon

Numéro d'échant.		LH0169002	LH0169036	LH	LH0169023
Date d'échant.		11 Jun 2024	11 Jan 2024	18 May 2023	15 Sep 2022
Heures de la Machine		7137	6623	0	4420
Heures de l'huile		0	500	0	0
Huile changée		Changed	Changed	N/A	Changed
Statut de l'échant.		ABNORMAL	NORMAL	NORMAL	NORMAL

MOOREFIELD EXCAVATING LTD.
 6297 WELLINGTON RD. 109S, RR #3
 HARRISTON, ON
 CA N0G 1Z0
 Contact: John Landman
 info@moorefieldex.ca
 T: (519)343-3571
 F: (519)510-3277



État d'huile

Visc 100°C	cSt	11.8	12.4	9.9	10.8
Oxydation (PA)	%	59	55	59	59



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0.2	0.1	0.3	0.1
Nitration (PA)	%	80	81	93	80
Sulfatation (PA)	%	50	51	57	54
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	4.4	<1.0	<1.0	<1.0
Silicium	ppm	3	5	6	4
Sodium	ppm	4	3	10	4
Potassium	ppm	1	2	3	1

Diagnostic

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	20	8	35	8
Cuivre	ppm	2	2	65	<1
Plomb	ppm	0	<1	3	<1
Étain	ppm	0	0	0	<1
Aluminium	ppm	4	4	6	4
Chrome	ppm	<1	0	<1	0
Molybdène	ppm	72	87	85	85
Nickel	ppm	<1	<1	<1	0
Titane	ppm	<1	0	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	1575	2122	2137	2203
Magnésium	ppm	451	29	32	22
Zinc	ppm	1127	1141	1118	1176
Phosphore	ppm	1002	1021	1068	1045
Baryum	ppm	0	<1	0	0
Bore	ppm	28	56	50	34

Depot: MOOPAL
 Unique No: 5812174
 Signed: Wes Davis
 Report Date: 10 Jul 2024



Graphs

