

LIEBHERR

CONSTRUCTION EQUIPMENT



[(358361)] LIEBHERR LH40M 133820-1215 - Diesel Engine

Sample No: LH0289703

Oil Type: PETRO CANADA 10W40



Information sur l'échantillon

Numéro d'échant.		LH0289703	LH0289644	LH0256535	LH0203060
Date d'échant.		10 Jun 2024	10 Jun 2024	29 Mar 2023	31 Aug 2022
Heures de la Machine		9259	2606	1521	1001
Heures de l'huile		0	0	0	0
Huile changée		Changed	Changed	Changed	Changed
Statut de l'échant.		ABNORMAL	NORMAL	NORMAL	ABNORMAL

METALOGICS INC.
895 COLLINSON RD.
DUNDAS, ON
CA L9H 5E2
Contact: Service Manager



État d'huile

Visc 100°C	cSt	11.5	12.3	13.0	11.6
Oxydation (PA)	%	62	73	69	91

T:
F:



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	80	78	70	84
Sulfatation (PA)	%	56	59	62	64
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	0.6	<1.0	<1.0	1.1
Silicium	ppm	6	6	6	9
Sodium	ppm	2	2	2	4
Potassium	ppm	1	2	1	4

Diagnostic

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA 10W40, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	3	7	4	5
Cuivre	ppm	7	17	64	313
Plomb	ppm	0	1	2	9
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	2	2	2	2
Chrome	ppm	0	<1	<1	<1
Molybdène	ppm	85	63	58	56
Nickel	ppm	0	0	<1	0
Titane	ppm	0	0	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	2038	1094	1094	864
Magnésium	ppm	206	961	995	1097
Zinc	ppm	1183	1169	1199	1193
Phosphore	ppm	1005	898	1058	980
Baryum	ppm	0	1	<1	2
Bore	ppm	40	12	3	28

Depot: MET895DUN
Unique No: 5798531
Signed: Kevin Marson
Report Date: 12 Jun 2024



Graphs

