

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 1205-65873 - Diesel Engine

Sample No: LH0202889

Oil Type: PETRO CANADA 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0202889	LH0251859	LH	LH
Date d'échant.	03 Aug 2023	22 Mar 2023	06 Jun 2022	11 Nov 2021
Heures de la Machine	29500	29054	27942	27541
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ATTENTION	ABNORMAL	ABNORMAL	ABNORMAL

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ÉTAT D'HUILE

Visc 100°C	cSt	14.5	14.3	14.3	14.6
Oxydation (PA)	%	59	74	65	43



CONTAMINATION

% de suie	%	0.4	0.8	0.8	0.7
Nitration (PA)	%	74	106	93	58
Sulfatation (PA)	%	57	71	65	52
Glycol	%	0.0	0.0	0.0	0.0
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	6	8	9	7
Sodium	ppm	207	630	748	182
Potassium	ppm	2	3	0	2



MÉTAUX D'USURE

Fer	ppm	8	18	21	19
Cuivre	ppm	1	3	3	2
Plomb	ppm	0	<1	<1	<1
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	5	15	25	10
Chrome	ppm	<1	<1	1	<1
Molybdène	ppm	41	55	55	47
Nickel	ppm	<1	1	2	<1
Titane	ppm	<1	<1	0	0
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1233	1208	1124	1161
Magnésium	ppm	793	943	932	922
Zinc	ppm	1063	1144	1194	1165
Phosphore	ppm	952	995	1054	1007
Baryum	ppm	0	0	0	0
Bore	ppm	22	5	9	9

Diagnostic

Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service (see recommendation).

Depot: LAKWHI

Unique No: 5619507

Signed: Kevin Marson

Report Date: 08 Aug 2023



GRAPHS

