

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(362878)] LIEBHERR LH80M 135287-1218 - Diesel Engine

Sample No: LH0277420

Oil Type: PETRO CANADA DURON UHP E6 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0277420	LH0274374	LH0265826	LH0261329
Date d'échant.	23 Oct 2023	05 Sep 2023	21 Jul 2023	18 Apr 2023
Heures de la Machine	8967	3998	7724	6397
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

#### GERDAU AMERISTEEL

1 GERDAU COURT  
WHITBY, ON  
CA L1N 5T1  
Contact: Tyson Young  
tyoung@gerdauameristeel.com  
T: (905)668-8811  
F: (905)668-6469



#### ÉTAT D'HUILE

Visc 100°C	cSt	13.0	13.3	14.4	13.3
Oxydation (PA)	%	74	72	54	74



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	81	83	62	78
Sulfatation (PA)	%	55	58	53	54
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	5	6	7	5
Sodium	ppm	2	2	2	1
Potassium	ppm	9	4	3	<1



#### MÉTAUX D'USURE

Fer	ppm	6	6	3	4
Cuivre	ppm	1	<1	<1	2
Plomb	ppm	<1	<1	0	<1
Étain	ppm	<1	0	0	<1
Aluminium	ppm	4	2	1	1
Chrome	ppm	<1	<1	0	0
Molybdène	ppm	62	52	13	60
Nickel	ppm	0	0	0	<1
Titane	ppm	0	<1	<1	0
Argent	ppm	<1	<1	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1156	1145	1389	1109
Magnésium	ppm	1023	956	733	916
Zinc	ppm	1270	1168	856	1197
Phosphore	ppm	1044	1020	811	1081
Baryum	ppm	0	0	0	0
Bore	ppm	4	7	83	2

#### Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LAKWHI  
Unique No: 5668340  
Signed: Wes Davis  
Report Date: 24 Oct 2023



### GRAPHS

