

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 120280-1216 - Diesel Engine

Sample No: LH0288339

Oil Type: PETRO CANADA SUPREME 5W30



#### Information sur l'échantillon

Numéro d'échant.	LH0288339	LH0281231	LH0276849	LH0186041
Date d'échant.	18 May 2024	24 Jan 2024	03 Nov 2023	05 May 2022
Heures de la Machine	9095	8492	8000	5066
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**  
1273 Kelly Lake Rd.  
Sudbury, ON  
CA P3E 5P5  
Contact: Service Manager



#### État d'huile

Visc 100°C	cSt	11.5	11.4	11.3	13.2
Oxydation (PA)	%	86	80	84	76

T:  
F:



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	89	85	86	78
Sulfatation (PA)	%	61	57	59	64
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	6	7	7	8
Sodium	ppm	4	4	4	3
Potassium	ppm	0	<1	<1	2

#### 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	6	5	6	4
Cuivre	ppm	1	1	2	1
Plomb	ppm	0	<1	<1	0
Étain	ppm	0	0	<1	<1
Aluminium	ppm	<1	2	2	<1
Chrome	ppm	0	<1	<1	0
Molybdène	ppm	57	54	58	20
Nickel	ppm	0	<1	0	<1
Titane	ppm	0	0	0	<1
Argent	ppm	0	0	0	<1
Manganèse	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	867	788	817	1625
Magnésium	ppm	1135	1055	1099	391
Zinc	ppm	1217	1129	1168	1129
Phosphore	ppm	1033	991	1011	993
Baryum	ppm	0	0	0	0
Bore	ppm	34	29	19	73

Depot: AIMSUD  
Unique No: 5787595  
Signed: Wes Davis  
Report Date: 29 May 2024



### Graphs

