

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 123312-1216 - Diesel Engine

Sample No: LH0270498

Oil Type: DIESEL ENGINE OIL SAE 30



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270498	LH0251786	LH0242271	LH
Date d'échant.	23 Jul 2023	02 Mar 2023	14 Oct 2022	19 Aug 2021
Heures de la Machine	3278	2683	2145	454
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	NORMAL	NORMAL

**American Iron and Metal**  
3518 DAVIS DRIVE  
EAST GWILLIMBURY, ON  
CA L0G 1E0  
Contact: Service Manager



#### ÉTAT D'HUILE

Visc 100°C	cSt	13.0	11.4	10.9	11.2
Oxydation (PA)	%	64	101	84	179

T:  
F:



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	70	93	96	88
Sulfatation (PA)	%	53	71	70	102
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	1.3	1
Silicium	ppm	6	19	7	8
Sodium	ppm	2	6	3	3
Potassium	ppm	<1	2	2	4

#### 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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### MÉTAUX D'USURE

Fer	ppm	4	30	7	9
Cuivre	ppm	4	47	48	239
Plomb	ppm	<1	2	7	9
Étain	ppm	0	<1	<1	1
Aluminium	ppm	1	2	2	1
Chrome	ppm	<1	<1	0	<1
Molybdène	ppm	58	62	81	48
Nickel	ppm	0	<1	0	0
Titane	ppm	<1	<1	7	<1
Argent	ppm	<1	0	0	<1
Manganèse	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	<1	0



#### ADDITIFS

Calcium	ppm	1056	1027	2126	1398
Magnésium	ppm	978	1182	212	851
Zinc	ppm	1191	1292	1153	873
Phosphore	ppm	1061	1118	1035	725
Baryum	ppm	<1	<1	2	52
Bore	ppm	4	23	22	86

**Depot:** AIMEAS  
**Unique No:** 5616711  
**Signed:** Kevin Marson  
**Report Date:** 24 Jul 2023



### GRAPHS

