

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 048608-1334 - Diesel Engine

Sample No: LH0249891

Oil Type: PETRO CANADA DURON UHP 5W30



#### SAMPLE INFORMATION

Sample Number	LH0249891	LH0189238	LH0246543	LH0246548
Sample Date	12 Jul 2023	01 Jun 2023	11 May 2023	30 Apr 2023
Machine Hours	18105	17485	17103	15000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

NEXOLIA, CHAPAIS ENERGIE SEC

140 RUE DE LA CONGENERATION

CHAPAIS, QC

CA G0W 1H0

Contact: Carl Adams



#### OIL CONDITION

Visc @ 100°C	cSt	12.1	11.9	12.0	11.7
Oxidation (PA)	%	83	73	80	71

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#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	84	70	80	67
Sulfation (PA)	%	60	55	58	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.9
Silicon	ppm	5	6	5	6
Sodium	ppm	4	4	4	4
Potassium	ppm	0	<1	0	0

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	4	3	3	2
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	62	61	64	60
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	822	852	918	830
Magnesium	ppm	1151	1097	1160	1093
Zinc	ppm	1192	1180	1263	1154
Phosphorus	ppm	1031	1062	1120	1061
Barium	ppm	0	0	0	0
Boron	ppm	22	36	30	37

Depot: CHA140CHA

Unique No: 5617158

Signed: Wes Davis

Report Date: 26 Jul 2023



### GRAPHS

