

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(340290)] LIEBHERR L586 059132-1334 - Diesel Engine

Sample No: LH0249896

Oil Type: PETRO CANADA DURON UHP 5W30



#### SAMPLE INFORMATION

Sample Number	LH0249896	LH0224011	LH0250015	LH0215316
Sample Date	12 Jul 2023	31 Mar 2023	16 Mar 2023	21 Dec 2022
Machine Hours	0	14557	14214	12539
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**NEXOLIA, CHAPAIS ENERGIE SEC**  
 140 RUE DE LA CONGENERATION  
 CHAPAIS, QC  
 CA G0W 1H0  
 Contact: Carl Adams



#### OIL CONDITION

Visc @ 100°C	cSt	11.9	11.8	11.9	11.9
Oxidation (PA)	%	79	73	78	75

T: (418)745-2521  
 F: (418)745-3680



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	82	70	79	75
Sulfation (PA)	%	59	62	63	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	5	5	6
Sodium	ppm	7	4	4	5
Potassium	ppm	0	0	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	2	3	3
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	1	1	1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	61	63	61	63
Nickel	ppm	0	<1	0	0
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	809	870	859	860
Magnesium	ppm	1117	1120	1120	1171
Zinc	ppm	1176	1188	1211	1227
Phosphorus	ppm	1025	1078	1082	1128
Barium	ppm	0	0	0	0
Boron	ppm	18	39	32	35

Depot: CHA140CHA  
 Unique No: 5617159  
 Signed: Wes Davis  
 Report Date: 26 Jul 2023



### GRAPHS

