

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH	LH	LH0249896	LH0224011
Sample Date	06 Nov 2023	07 Sep 2023	12 Jul 2023	31 Mar 2023
Machine Hours	17000	16500	0	14557
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	11.9	11.9	11.8
Oxidation (PA)	%	80	84	79	73

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



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	81	83	82	70
Sulfation (PA)	%	59	60	59	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	6	5
Sodium	ppm	6	6	7	4
Potassium	ppm	<1	2	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	5	4	2
Copper	ppm	1	2	1	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	1	<1	1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	59	58	61	63
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	832	824	809	870
Magnesium	ppm	1142	1152	1117	1120
Zinc	ppm	1254	1223	1176	1188
Phosphorus	ppm	1018	1076	1025	1078
Barium	ppm	<1	0	0	0
Boron	ppm	23	16	18	39

Depot: CHA140CHA
 Unique No: 5672819
 Signed: Wes Davis
 Report Date: 13 Nov 2023



GRAPHS

