

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	LH0249896	LH0224011	LH0250015
Sample Date	07 Sep 2023	12 Jul 2023	31 Mar 2023	16 Mar 2023
Machine Hours	16500	0	14557	14214
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	11.8	11.9
Oxidation (PA)	%	84	79	73	78

T: (418)745-2521
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CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	83	82	70	79
Sulfation (PA)	%	60	59	62	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	5	5
Sodium	ppm	6	7	4	4
Potassium	ppm	2	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	5	4	2	3
Copper	ppm	2	1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	58	61	63	61
Nickel	ppm	0	0	<1	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	824	809	870	859
Magnesium	ppm	1152	1117	1120	1120
Zinc	ppm	1223	1176	1188	1211
Phosphorus	ppm	1076	1025	1078	1082
Barium	ppm	0	0	0	0
Boron	ppm	16	18	39	32

Depot: CHA140CHA
 Unique No: 5642335
 Signed: Kevin Marson
 Report Date: 11 Sep 2023



GRAPHS

