

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	LH	LH0249896
Sample Date	10 Jan 2024	06 Nov 2023	07 Sep 2023	12 Jul 2023
Machine Hours	0	17000	16500	0
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	12.2	11.9	11.9	11.9
Oxidation (PA)	%	79	80	84	79

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



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	78	81	83	82
Sulfation (PA)	%	58	59	60	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	5	6
Sodium	ppm	6	6	6	7
Potassium	ppm	<1	<1	2	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	3	4	5	4
Copper	ppm	1	1	2	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	1	1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	61	59	58	61
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	855	832	824	809
Magnesium	ppm	1156	1142	1152	1117
Zinc	ppm	1240	1254	1223	1176
Phosphorus	ppm	1072	1018	1076	1025
Barium	ppm	0	<1	0	0
Boron	ppm	31	23	16	18

Depot: CHA140CHA
 Unique No: 5710264
 Signed: Wes Davis
 Report Date: 17 Jan 2024



GRAPHS

