

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 048608-1334 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH	LH	LH0249891	LH0189238
Sample Date	04 Dec 2023	21 Sep 2023	12 Jul 2023	01 Jun 2023
Machine Hours	20000	0	18105	17485
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	12.1	12.0	12.1	11.9
Oxidation (PA)	%	96	80	83	73

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



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	91	82	84	70
Sulfation (PA)	%	64	58	60	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	5	6
Sodium	ppm	5	5	4	4
Potassium	ppm	0	<1	0	<1

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	7	4	4	3
Copper	ppm	2	1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	61	59	62	61
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	874	858	822	852
Magnesium	ppm	1169	1149	1151	1097
Zinc	ppm	1277	1253	1192	1180
Phosphorus	ppm	1007	1035	1031	1062
Barium	ppm	<1	<1	0	0
Boron	ppm	24	28	22	36

Depot: CHA140CHA
 Unique No: 5694889
 Signed: Wes Davis
 Report Date: 08 Dec 2023



GRAPHS

