

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053565-1332 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH	LH	LH0189237	LH0153025
Sample Date	08 Dec 2023	15 Sep 2023	02 Jun 2023	14 Apr 2023
Machine Hours	15500	15000	14035	13527
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 @ 40°C	cSt	---	---	---	70.4
Visc @ 100°C	cSt	11.8	11.6	11.6	11.7
Viscosity Index (VI)	Scale	---	---	---	161
Oxidation (PA)	%	90	76	78	82

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

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	84	79	83	89
Sulfation (PA)	%	60	54	55	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	8	6
Sodium	ppm	5	4	4	4
Potassium	ppm	0	3	<1	0



WEAR METALS

Iron	ppm	4	4	4	3
Copper	ppm	2	1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	1	2	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	58	58	61	61
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	831	806	846	828
Magnesium	ppm	1149	1111	1092	1101
Zinc	ppm	1224	1189	1179	1177
Phosphorus	ppm	1008	1062	1077	1094
Barium	ppm	<1	0	0	0
Boron	ppm	24	30	31	33

Depot: CHA140CHA
 Unique No: 5695834
 Signed: Wes Davis
 Report Date: 13 Dec 2023



GRAPHS

