

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 038599 - Diesel Engine

Sample No: LH

Oil Type: DIESEL ENGINE OIL SAE 15W40



SAMPLE INFORMATION

Sample Number	LH	LH0140656	LH0121358	LH0114596
Sample Date	10 Nov 2023	13 Mar 2020	13 Feb 2018	04 Apr 2017
Machine Hours	10436	5233	2150	1010
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

COMPAGNIE COMMONWEALTH PLYWOOD LTEE
300 RUE GODARD
MONT-LAURIER, QC
CA J9L 3W2
Contact: MARTIN ST-PIERRE



OIL CONDITION

Visc @ 100°C	cSt	13.8	14.6	14.7	13.0
Oxidation (PA)	%	53	69	69	67

T: (819)823-8876
F: (819)623-5979



CONTAMINATION

Soot %	%	0.1	1.2	1.2	0.7
Nitration (PA)	%	43	94	94	78
Sulfation (PA)	%	51	74	63	65
Glycol	%	NEG	0.0	0.0	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	8	7
Sodium	ppm	3	60	524	2
Potassium	ppm	<1	11	126	<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	17	34	43	43
Copper	ppm	<1	6	17	193
Lead	ppm	<1	<1	2	7
Tin	ppm	0	<1	<1	1
Aluminum	ppm	2	4	4	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	58	44	64	53
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	1030	1486	1145	1192
Magnesium	ppm	950	701	915	889
Zinc	ppm	1197	1274	1284	1256
Phosphorus	ppm	1009	1062	1027	1025
Barium	ppm	0	<1	<1	4
Boron	ppm	2	26	11	3

Depot: COMMTL
Unique No: 5672787
Signed: Wes Davis
Report Date: 13 Nov 2023



GRAPHS

