

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 053138-1214 - Diesel Engine

Sample No: LH0270021

Oil Type: DIESEL ENGINE OIL SAE 40



SAMPLE INFORMATION

Sample Number	LH0270021	LH0260728	LH0242939	LH0238792
Sample Date	24 Aug 2023	31 May 2023	07 Feb 2023	01 Dec 2022
Machine Hours	18035	17526	16946	16732
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

GDS VALORIBOIS INC.

80 RUE DU PARC INDUSTRIEL

MATANE, QC

CA G4W 2P6

Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	---	---	---	41.3
Visc @ 100°C	cSt	13.8	13.3	13.3	7.4
Viscosity Index (VI)	Scale	---	---	---	145
Oxidation (PA)	%	59	58	58	68

T:

F:

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

Soot %	%	0	0	0	0
Nitration (PA)	%	60	58	53	29
Sulfation (PA)	%	51	51	55	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	1.9
Silicon	ppm	8	6	6	6
Sodium	ppm	2	<1	2	2
Potassium	ppm	5	<1	<1	1



WEAR METALS

Iron	ppm	4	3	2	7
Copper	ppm	2	1	2	4
Lead	ppm	<1	<1	<1	4
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	1	1	2
Chromium	ppm	<1	0	0	3
Molybdenum	ppm	59	58	58	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1108	1074	1091	1115
Magnesium	ppm	992	950	959	9
Zinc	ppm	1238	1158	1176	855
Phosphorus	ppm	1041	1064	1080	762
Barium	ppm	<1	0	0	0
Boron	ppm	2	1	2	2

Depot: GDSMAT

Unique No: 5655150

Signed: Wes Davis

Report Date: 02 Oct 2023



GRAPHS

