

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A910 107197 - Diesel Engine

Sample No: LH0274136

Oil Type: DIESEL ENGINE OIL SAE 40



LIEBHERR CANADA LTEE
 4250 AUTOROUTE CHOMEDEY 13
 LAVAL, QC
 CA H7R 6E9
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SAMPLE INFORMATION

Sample Number	LH0274136	LH0215451	---	---
Sample Date	22 Aug 2023	23 Jan 2022	---	---
Machine Hours	3210	1767	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	14.1	12.2	---	---
Oxidation (PA)	%	54	77	---	---



CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	41	68	---	---
Sulfation (PA)	%	53	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.9	---	---
Silicon	ppm	3	8	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	<1	3	---	---



WEAR METALS

Iron	ppm	6	13	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	57	19	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1085	1868	---	---
Magnesium	ppm	970	379	---	---
Zinc	ppm	1189	783	---	---
Phosphorus	ppm	1073	711	---	---
Barium	ppm	0	0	---	---
Boron	ppm	3	51	---	---

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 40. Veuillez confirmer. 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.

Depot: LIESTL
 Unique No: 5631013
 Signed: Wes Davis
 Report Date: 24 Aug 2023



GRAPHS

