

LIEBHERR

CONSTRUCTION EQUIPMENT



OR1855 - Diesel Engine

Sample No: LH0261143

Oil Type: PETRO CANADA 10W30



GFL Environmental - 766 - Drummondville - Hauling - Solid Waste
1005, rue Rhea,
Drummondville, QC
CA J2B 8A9
Contact: Eric Duchesneau
EDuchesneau@matrec.ca
T: (819)395-4355
F:



SAMPLE INFORMATION

Sample Number	LH0261143	LH0260871	LH0235138	---
Sample Date	12 Jul 2023	05 May 2023	01 Nov 2022	---
Machine Hours	0	1567	530	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	SEVERE	---



OIL CONDITION

Visc @ 100°C	cSt	14.2	11.9	8.8	---
Oxidation (PA)	%	57	70	158	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	49	66	77	---
Sulfation (PA)	%	51	56	95	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	0.6	11	---
Silicon	ppm	11	25	48	---
Sodium	ppm	2	4	3	---
Potassium	ppm	0	<1	<1	---



WEAR METALS

Iron	ppm	10	16	22	---
Copper	ppm	<1	1	13	---
Lead	ppm	0	0	2	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	58	61	34	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1037	907	1613	---
Magnesium	ppm	987	1131	683	---
Zinc	ppm	1173	1220	833	---
Phosphorus	ppm	1046	1120	790	---
Barium	ppm	0	0	5	---
Boron	ppm	4	50	94	---

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. La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Depot: GFL766
Unique No: 5607088
Signed: Kevin Marson
Report Date: 14 Jul 2023



GRAPHS

