

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144376-1216 - Diesel Engine

Sample No: LH0248771

Oil Type: SHELL ROTELLA T 15W40



Services Forestiers RGT Inc.
1053 Boul. Ducharme
La Tuque, QC
CA G9X 3C3
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0248771	LH0248768	LH0248792	LH
Sample Date	28 Sep 2023	29 Aug 2023	02 Aug 2023	01 Aug 2023
Machine Hours	2751	2387	2092	2000
Oil Hours	0	250	250	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	13.3	13.4	13.3	13.4
Oxidation (PA)	%	49	49	55	65



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	62	50	57	62
Sulfation (PA)	%	50	52	55	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	11	8
Sodium	ppm	1	2	2	2
Potassium	ppm	2	2	2	1



WEAR METALS

Iron	ppm	2	2	2	3
Copper	ppm	1	1	3	11
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	23	45	47	58
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2141	1899	1883	1803
Magnesium	ppm	135	276	291	382
Zinc	ppm	1114	1141	1167	1236
Phosphorus	ppm	945	1066	1056	1088
Barium	ppm	<1	0	<1	<1
Boron	ppm	33	78	72	74

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.

Depot: SERLAT
Unique No: 5672806
Signed: Wes Davis
Report Date: 13 Nov 2023



GRAPHS

