

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 088797-1203 - Diesel Engine

Sample No: LH0269896

Oil Type: PETRO CANADA 15W40



SAMPLE INFORMATION

Sample Number	LH0269896	LH0256237	LH0225534	LH0227091
Sample Date	21 Aug 2023	04 May 2023	21 Jun 2022	14 Apr 2022
Machine Hours	12427	12167	11630	11687
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SCIERIE DION & FILS INC

147 RUE ST-ALEXIS
ST.RAYMOND, QC
CA G3L 1S1
Contact: Marc Lamarre
mlamarre@scieriedion.com
T: (418)337-2265
F: (418)337-4142



OIL CONDITION

Visc @ 100°C	cSt	12.6	14.5	14.7	13.4
Oxidation (PA)	%	73	69	62	90



CONTAMINATION

Soot %	%	0.9	1.1	0.7	1
Nitration (PA)	%	91	93	73	115
Sulfation (PA)	%	62	61	61	75
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	11	12	9	8
Sodium	ppm	4	2	2	4
Potassium	ppm	1	3	<1	1



WEAR METALS

Iron	ppm	18	35	25	40
Copper	ppm	4	12	13	16
Lead	ppm	<1	1	3	2
Tin	ppm	<1	<1	1	2
Aluminum	ppm	4	11	4	12
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	59	24	59	58
Nickel	ppm	<1	<1	2	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1002	2007	1068	1065
Magnesium	ppm	1033	371	997	1075
Zinc	ppm	1211	1217	1215	1292
Phosphorus	ppm	1064	1103	1021	1069
Barium	ppm	0	0	0	0
Boron	ppm	21	11	2	14

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: SCISTR
Unique No: 5630459
Signed: Wes Davis
Report Date: 22 Aug 2023



GRAPHS

