

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 124712-1216 - Diesel Engine

Sample No: LH0277308

Oil Type: PETRO CANADA SUPREME 5W30



**SCIERIE DION & FILS INC**  
 147 RUE ST-ALEXIS  
 ST.RAYMOND, QC  
 CA G3L 1S1  
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#### SAMPLE INFORMATION

Sample Number	LH0277308	LH0277339	LH0271425	LH0265500
Sample Date	16 Jan 2024	17 Oct 2023	24 Jul 2023	07 Jun 2023
Machine Hours	12176	11300	10587	10063
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 100°C	cSt	11.8	12.9	13.3	11.5
Oxidation (PA)	%	88	74	57	79



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	87	81	63	82
Sulfation (PA)	%	61	57	50	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	6	9	6
Sodium	ppm	4	2	1	4
Potassium	ppm	2	0	<1	<1



#### WEAR METALS

Iron	ppm	4	3	2	3
Copper	ppm	<1	1	1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	57	59	58	58
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	983	1106	1012	879
Magnesium	ppm	1019	960	1006	1069
Zinc	ppm	1192	1210	1201	1215
Phosphorus	ppm	1021	1037	1086	1058
Barium	ppm	0	<1	0	0
Boron	ppm	22	2	2	31

#### 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: 5710766  
 Signed: Wes Davis  
 Report Date: 18 Jan 2024



### GRAPHS

