

LIEBHERR

CONSTRUCTION EQUIPMENT



[(361220)] LIEBHERR LH50M 134706-1216 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA SUPREME 5W30



Sample Information

Sample Number	LH	LH	LH	LH
Sample Date	17 Jun 2024	07 May 2024	15 Feb 2024	17 Sep 2023
Machine Hours	5960	0	5100	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



Oil Condition

Visc @ 100°C	cSt	11.9	11.9	13.3	12.8
Oxidation (PA)	%	104	91	96	91

T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	93	88	89	84
Sulfation (PA)	%	66	60	64	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	5	7	6
Sodium	ppm	4	4	2	2
Potassium	ppm	<1	<1	<1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	6	4	7	6
Copper	ppm	2	2	3	4
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	1	2	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	60	60	60	59
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	839	860	1099	1041
Magnesium	ppm	1048	1092	979	993
Zinc	ppm	1180	1208	1207	1210
Phosphorus	ppm	995	993	1011	1049
Barium	ppm	<1	0	0	<1
Boron	ppm	25	29	<1	1

Depot: IND550WIN
Unique No: 5800377
Signed: Kevin Marson
Report Date: 19 Jun 2024



Graphs

