

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 138820-1216 - Splitter Box

Sample No: LH0279434

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0279434	LH	LH0260708	LH
Sample Date	11 Dec 2023	10 Sep 2023	26 May 2023	26 Mar 2023
Machine Hours	2140	950	950	524
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

D.P. Metal Inc.
 373A Chemin Grande-Ligne
 Saint-Urbain Premier, QC
 CA J0S 1Y0
 Contact: Service .



OIL CONDITION

Visc @ 40°C	cSt	173	179	186	188
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T: (450)427-0506
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	8
Sodium	ppm	2	2	2	5
Potassium	ppm	0	1	2	5

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	29	36	38	89
Copper	ppm	1	2	<1	2
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	4
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	1	2	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	9	9	7	11
Magnesium	ppm	<1	2	2	4
Zinc	ppm	28	40	46	100
Phosphorus	ppm	2237	2306	2252	1691
Barium	ppm	<1	0	0	0
Boron	ppm	<1	3	1	2

Depot: DPMSAI
 Unique No: 5696981
 Signed: Wes Davis
 Report Date: 18 Dec 2023



GRAPHS

