

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 138442 - Splitter Box

Sample No: LH0286759

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0286759	LH0281414	LH0274628	LH0256528
Sample Date	01 Apr 2024	07 Dec 2023	20 Aug 2023	21 Jun 2023
Machine Hours	6995	5641	4196	3555
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
 Contact: Greg Sacher
 gsacher@combinedmetal.com
 T: (416)642-7262
 F:



OIL CONDITION

Visc @ 40°C	cSt	91.7	87.8	93.4	91.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	2	3	2
Sodium	ppm	<1	3	<1	<1
Potassium	ppm	<1	2	0	<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	8	8	12	11
Copper	ppm	<1	<1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

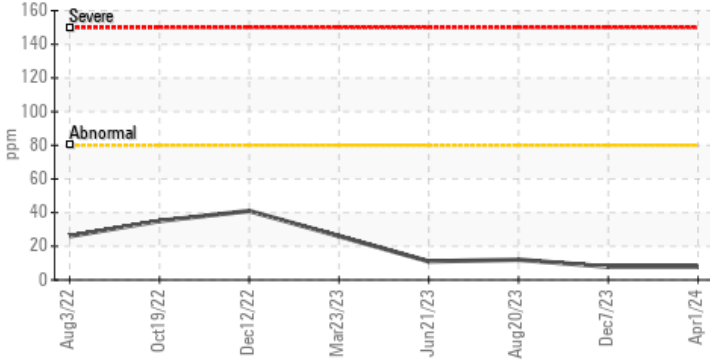
Calcium	ppm	15	18	18	15
Magnesium	ppm	2	1	3	1
Zinc	ppm	22	51	20	16
Phosphorus	ppm	1222	1194	1359	1346
Barium	ppm	0	<1	0	0
Boron	ppm	302	305	339	303

Depot: COMWES
 Unique No: 5759290
 Signed: Wes Davis
 Report Date: 02 Apr 2024

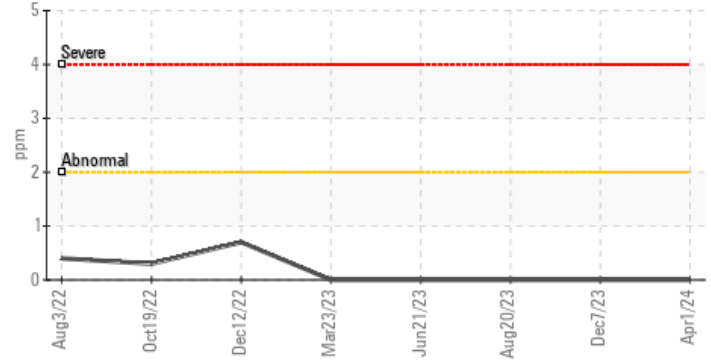


GRAPHS

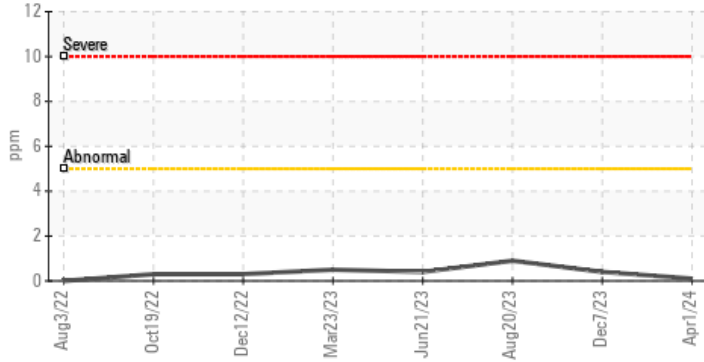
Iron (ppm)



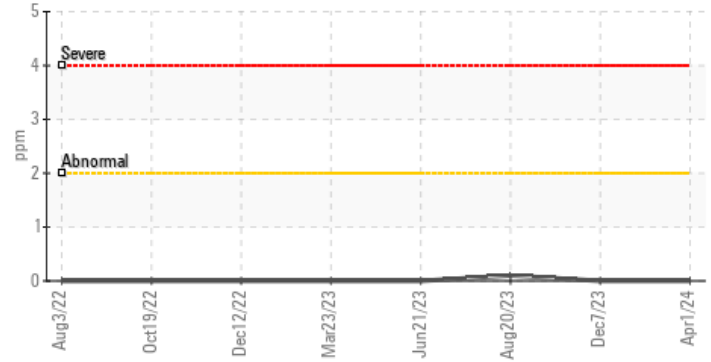
Lead (ppm)



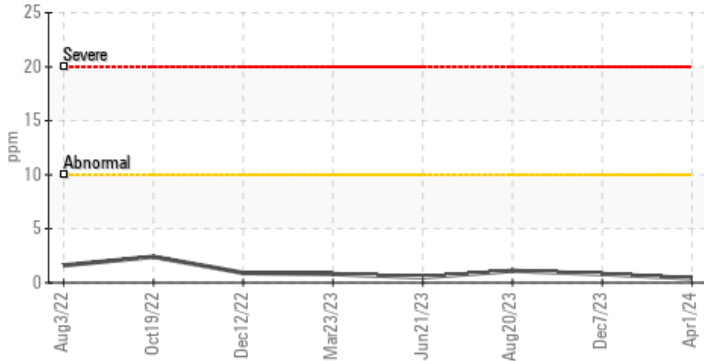
Aluminum (ppm)



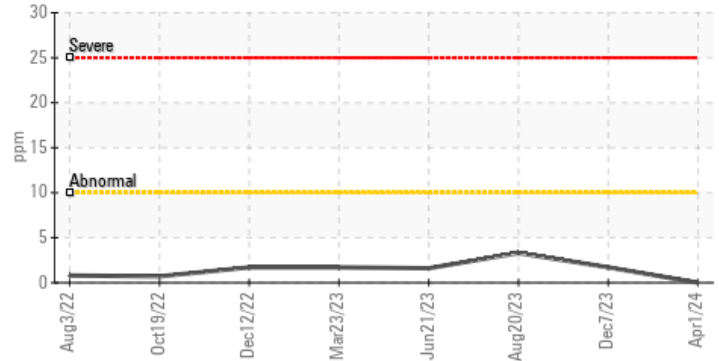
Chromium (ppm)



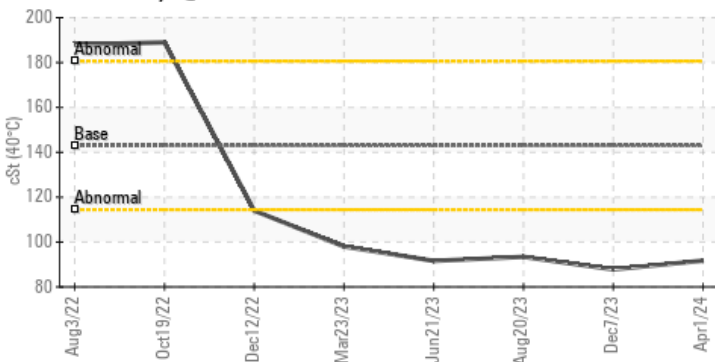
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

