

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 156991 - Splitter Box

Sample No: LH0290888

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0290888	LH0291028	LH0289725	LH0285075
Sample Date	07 Jul 2024	27 May 2024	21 Apr 2024	04 Mar 2024
Machine Hours	2636	2198	1662	1005
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
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	94.2	98.0	116	188



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	<1	0	<1
Sodium	ppm	<1	1	1	2
Potassium	ppm	<1	<1	<1	2



Wear Metals

Iron	ppm	8	11	13	19
Copper	ppm	<1	1	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	27	14	17	26
Magnesium	ppm	2	2	2	2
Zinc	ppm	29	17	20	27
Phosphorus	ppm	1222	1270	1175	1299
Barium	ppm	0	0	<1	<1
Boron	ppm	287	266	186	<1

Diagnosis

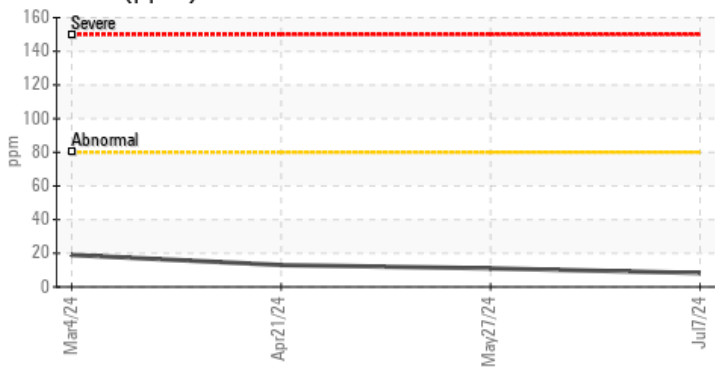
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: COMWES
 Unique No: 5812022
 Signed: Wes Davis
 Report Date: 09 Jul 2024

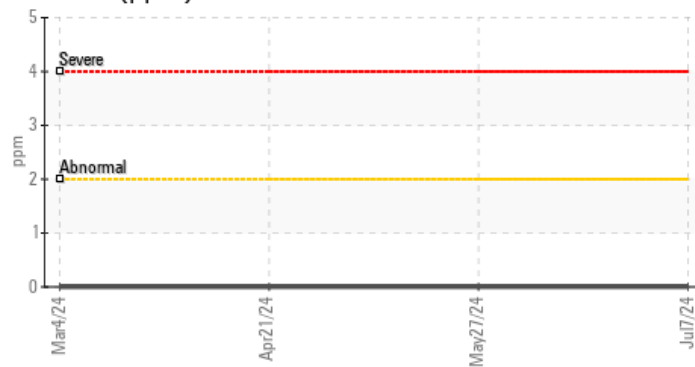


Graphs

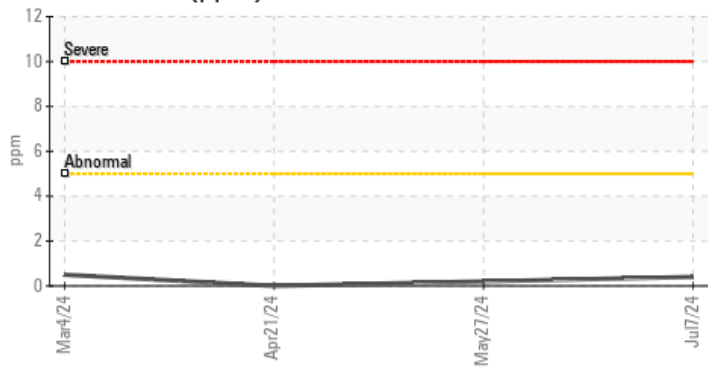
Iron (ppm)



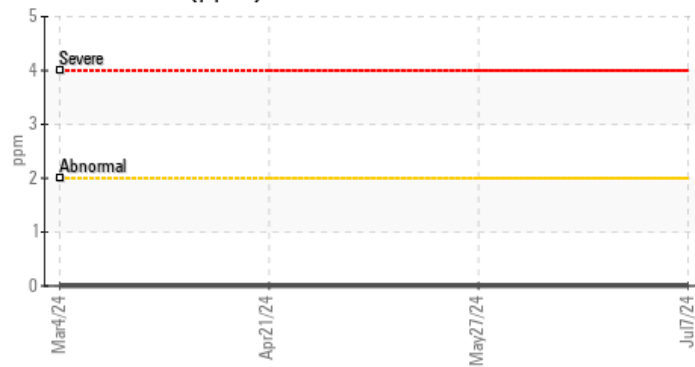
Lead (ppm)



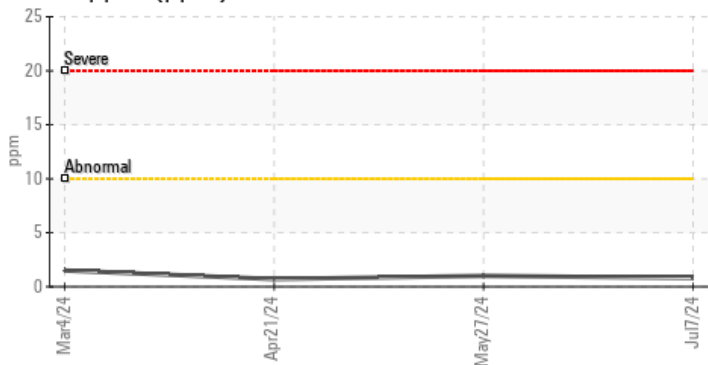
Aluminum (ppm)



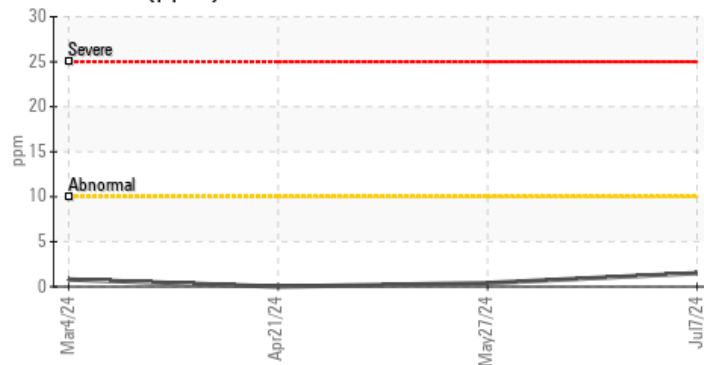
Chromium (ppm)



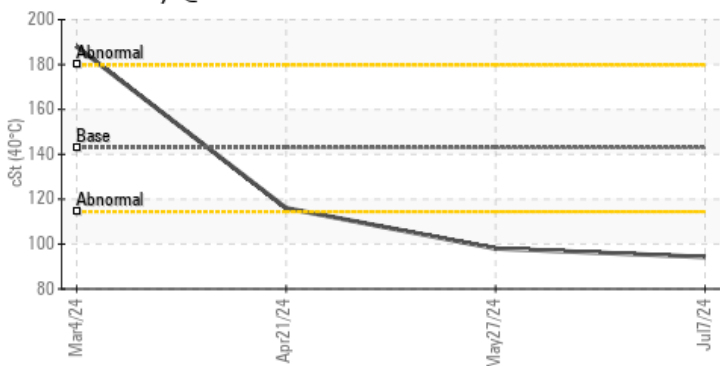
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

