

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 061320-1006 - Front Differential

Sample No: LH

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH	LH0213716	LH	LH
Sample Date	28 Apr 2023	15 Apr 2021	15 Apr 2021	15 Aug 2019
Machine Hours	0	0	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

Urban Mine
72 Rothwell Rd.
Winnipeg, MB
CA R3P 2H7
Contact: SERVICE



OIL CONDITION

Visc @ 40°C	cSt	105	106	101	186
-------------	-----	-----	-----	-----	-----

T: (204)774-0192
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	21	<1
Sodium	ppm	<1	<1	3	1
Potassium	ppm	0	<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	2	1	4	2
Copper	ppm	11	10	40	7
Lead	ppm	<1	<1	1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	5	5	4	2
Magnesium	ppm	1	2	<1	<1
Zinc	ppm	10	9	24	6
Phosphorus	ppm	1337	1321	1388	2400
Barium	ppm	0	0	<1	<1
Boron	ppm	310	326	251	9

Depot: URBWIN
Unique No: 5568176
Signed: Wes Davis
Report Date: 03 May 2023

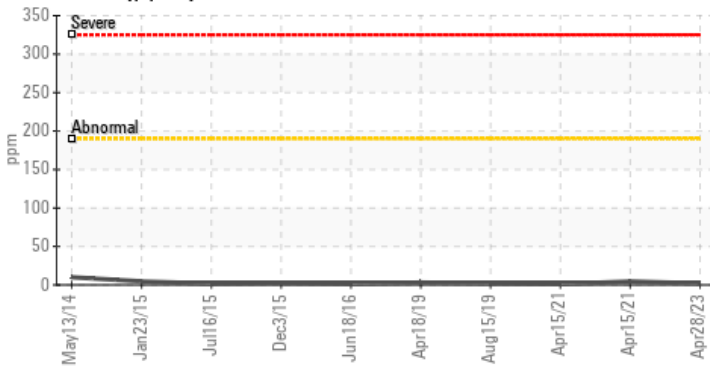
LIEBHERR

CONSTRUCTION EQUIPMENT

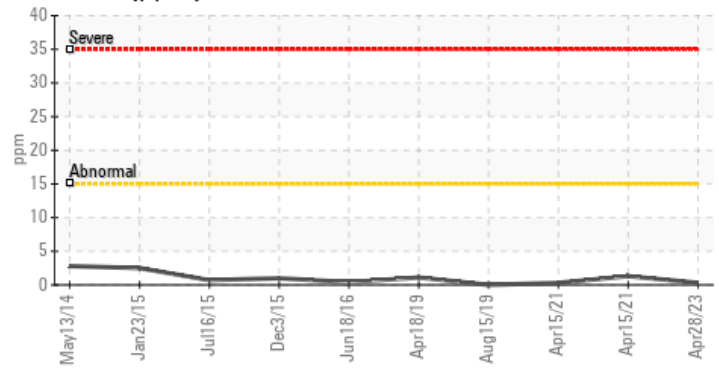


GRAPHS

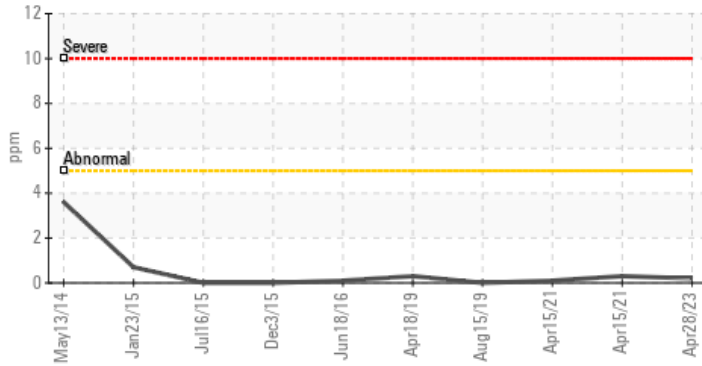
Iron (ppm)



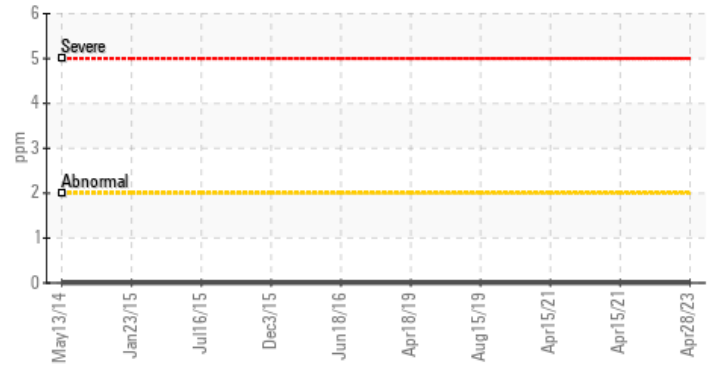
Lead (ppm)



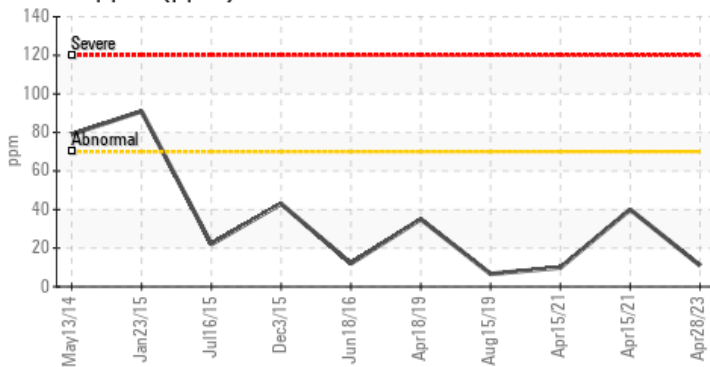
Aluminum (ppm)



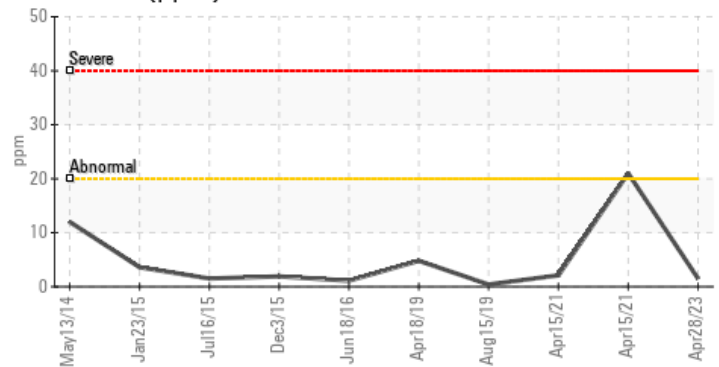
Chromium (ppm)



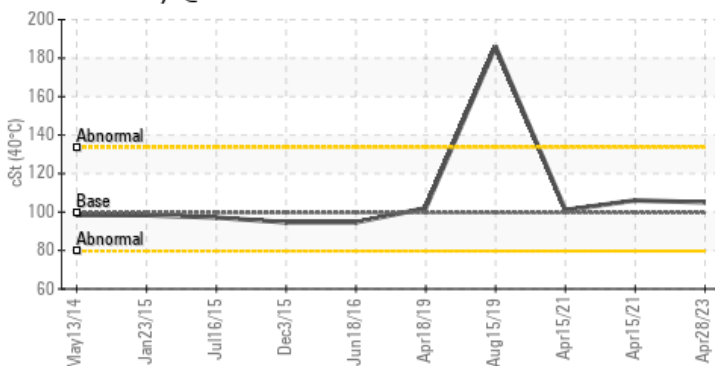
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

