

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 053616-1464 - Splitter Box

Sample No: LH0286619

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### Sample Information

Sample Number	LH0286619	LH0278375	LH0260026	LH0260248
Sample Date	22 Mar 2024	26 Nov 2023	18 Aug 2023	01 Jun 2023
Machine Hours	9582	8998	8483	7980
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

**Quality Concrete Inc.**  
 35 Lafarge Lane  
 Folly Lake, NS  
 CA B0M 1M0  
 Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	93.4	94.0	93.8	91.5
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	6	43	6
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	<1	1

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	12	43	14	22
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	8	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

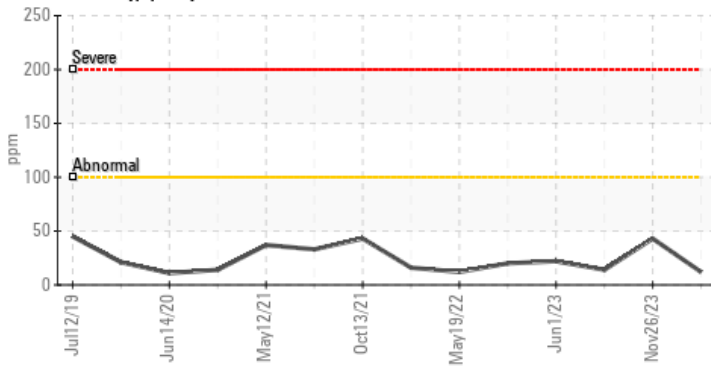
Calcium	ppm	26	35	38	50
Magnesium	ppm	3	4	3	2
Zinc	ppm	24	46	23	43
Phosphorus	ppm	1259	1242	1333	1328
Barium	ppm	0	<1	0	0
Boron	ppm	328	283	316	300

Depot: QUAFOL  
 Unique No: 5760217  
 Signed: Wes Davis  
 Report Date: 05 Apr 2024

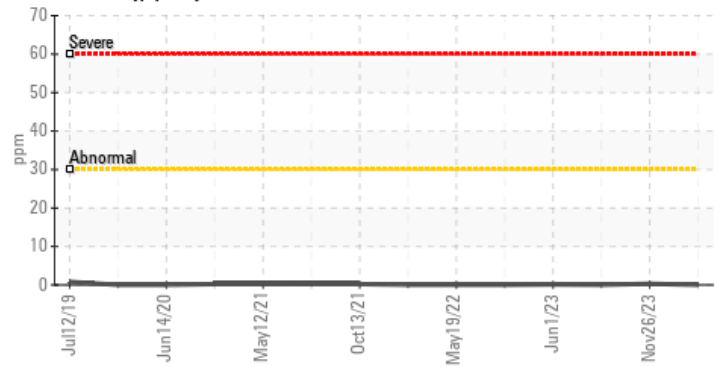


### Graphs

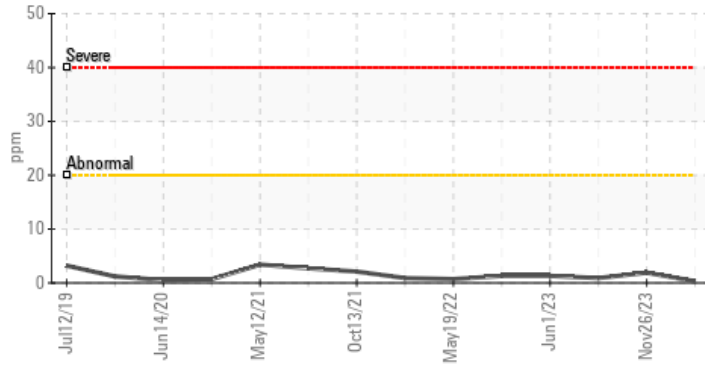
Iron (ppm)



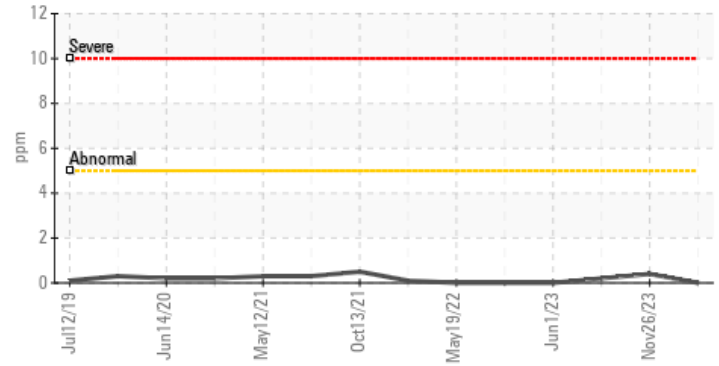
Lead (ppm)



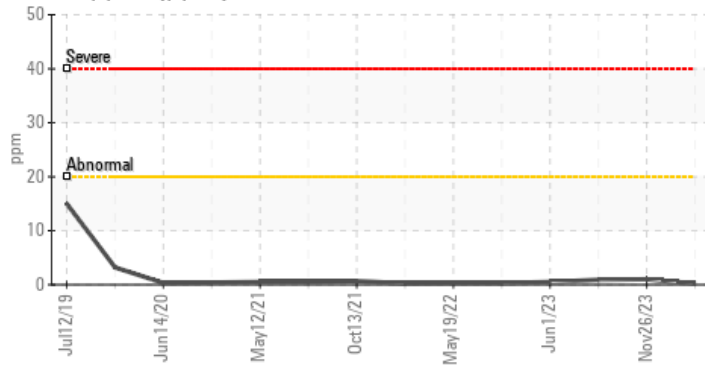
Aluminum (ppm)



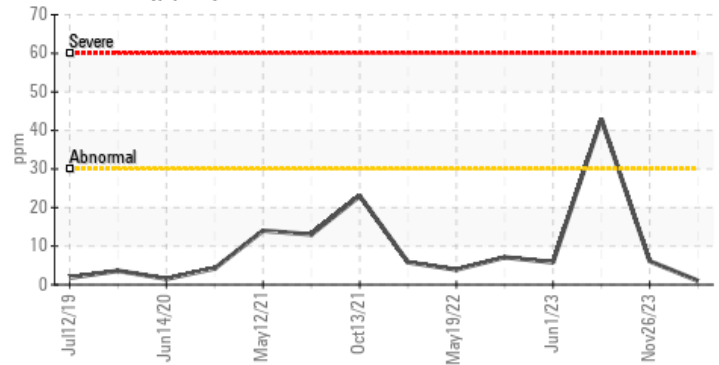
Chromium (ppm)



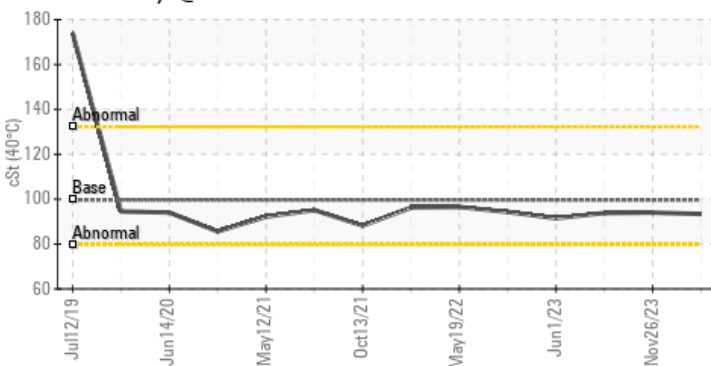
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

