

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 112359-1216 - Pump Drive

Sample No: LH0224998

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0224998	LH0221789	LH0224906	LH0194360
Sample Date	24 May 2023	02 Nov 2022	05 Jun 2022	18 Aug 2021
Machine Hours	600	5107	11976	3017
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

RICHMOND STEEL
12707 170 STREET
EDMONTON, AB
CA T5V 1L9
Contact: Sandor Arguello



OIL CONDITION

Visc @ 40°C	cSt	83.6	88.7	94.3	100
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T: (780)447-3391
F:



CONTAMINATION

Silicon	ppm	1	<1	<1	1
Sodium	ppm	<1	1	<1	2
Potassium	ppm	<1	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	10	14	10	20
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

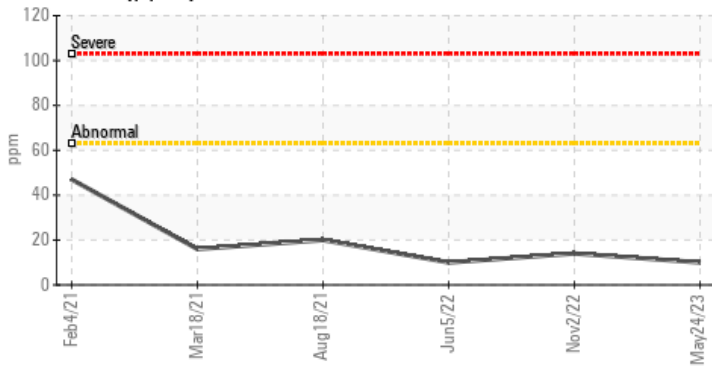
Calcium	ppm	44	53	34	34
Magnesium	ppm	5	10	<1	<1
Zinc	ppm	74	51	30	48
Phosphorus	ppm	1303	1397	1511	2227
Barium	ppm	0	0	0	<1
Boron	ppm	251	219	210	324

Depot: RICEDM
Unique No: 5580640
Signed: Wes Davis
Report Date: 25 May 2023

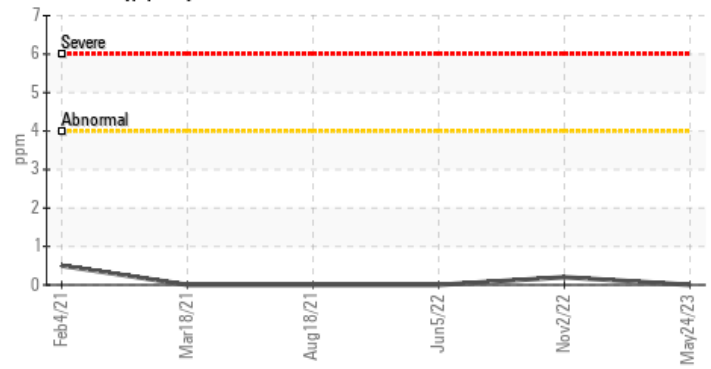


GRAPHS

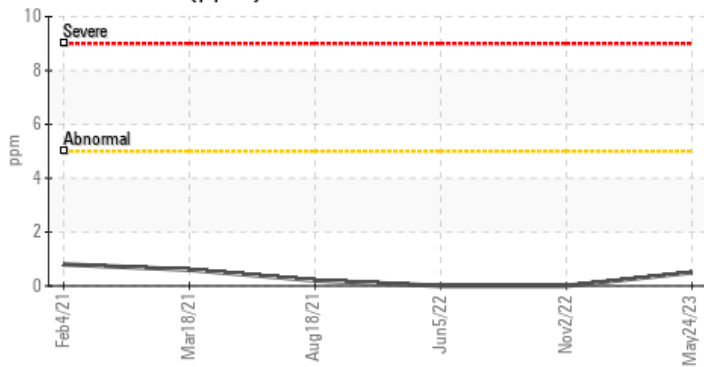
Iron (ppm)



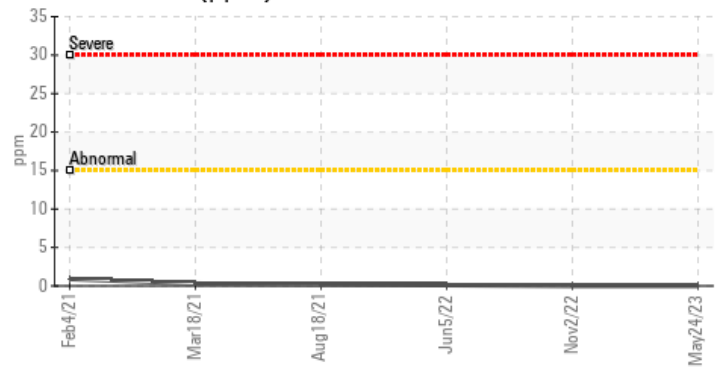
Lead (ppm)



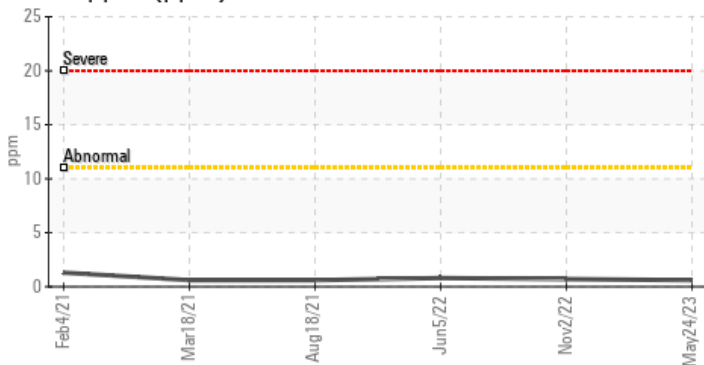
Aluminum (ppm)



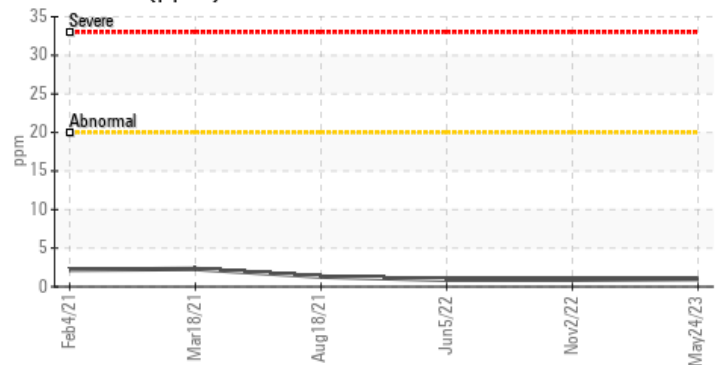
Chromium (ppm)



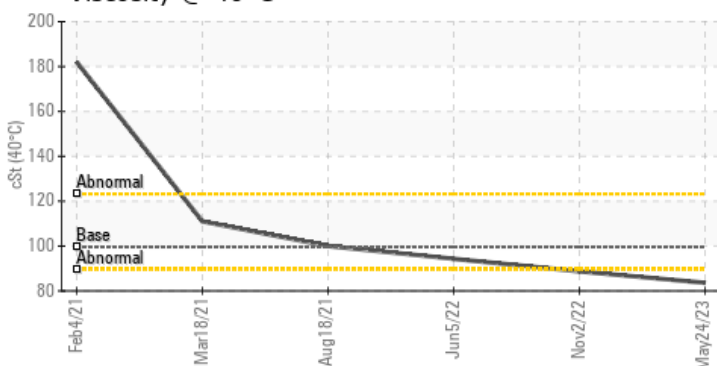
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

