LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LH

Barium

Boron

Oil Type: LIEBHERR GEAR BASIC 90 LS

<u> </u>					
SAM	PLE INFO	ORMATION			
Sample Number		LH	LH0251199	LH0234887	LH
Sample Date		30 Oct 2023	23 Feb 2023	22 Jul 2022	07 Feb 2022
Machine Hours		5676	4729	4000	0
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	MARGINAL
A					
OILC	ONDITIO	ON			
Visc @ 40°C	cSt	O 172	O 173	164	O 142
V130 @ 40 0	001	0 112	0 170	104	0 142
CON	TAMINA	TIAN			
	IAMINA	ATION			
Silicon	ppm	2	O 1	O 1	O 2
Sodium	ppm	2	O 1	O 1	O 1
Potassium	ppm	0	O <1	O <1	3
(O) WEA					
WEA	R META	LS			
Iron	ppm	12	O 15	2 4	6 6
Copper	ppm	0 1	O <1	0 <1	O <1
Lead	ppm	0	O 0	O 0	0
Tin	ppm	0	O 0	O 0	O <1
Aluminum	ppm	○ <1	O <1	O <1	O 1
Chromium	ppm	0	0	O 0	O <1
Molybdenum	ppm	0	O 0	O 0	0
Nickel	ppm	○ <1	0	0	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	O <1	O 1	3
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	26	22	23	O 29
Magnesium	ppm	O 1	01	0 1	0 <1
Zinc	ppm	35	22	O 21	O 26
Phosphorus	ppm	O 2222	2388	2154	2091
. Hoophordo	PPIII	<u> </u>	9 2000	2101	2001



American Iron and Metal

2555 Sheffield Road Ottawa, ON CA K1B 3V6 Contact: Dan Dupelle

ddupelle@aim-rg.com T: (613)228-9380 F: (613)745-0692

Diagnosis

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

Confirm the source of the lubricant

the time in service.

Depot:BAKOTTUnique No:5671778Signed:Wes DavisReport Date:08 Nov 2023

<1</p>

14

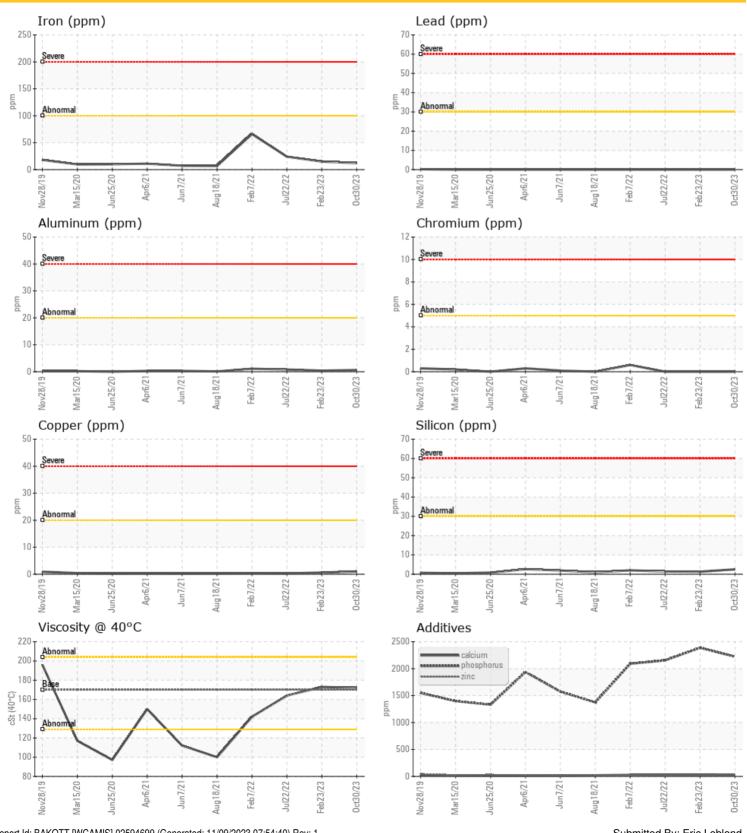
ppm

ppm





GRAPHS



Report Id: BAKOTT [WCAMIS] 02594699 (Generated: 11/09/2023 07:54:40) Rev: 1

Submitted By: Eric Leblond