LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LH0265079

Oil Type: GEAR OIL SAE 90

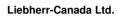
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SAM	PLE INFO	DRMATION		
Sample Number		LH0265079	LH0122008	
Sample Date		13 Dec 2023	30 Apr 2018	
Machine Hours		24504	33072	
Oil Hours		0	0	
Oil Changed		Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	
OILC	ONDITIO	ON		
visc @ 40°C	cSt	243	O 183	
all de				
CON	TAMINA	TION		
Water	%	NEG	NEG	
Silicon	ppm	2	9	
Sodium	ppm	7	3	
Potassium	ppm	0 <1	O 1	
WEA	R META	LS		
ron	ppm	19	○ 330	
Copper	ppm	O <1	0 8	
_ead	ppm	0 0	O <1	
Γin	ppm	0	0	
Aluminum	ppm	() <1	O 1	
Chromium	ppm	○ <1	O 9	
Molybdenum	ppm	0	3	
Nickel	ppm	0 <1	3	
Titanium	ppm	0	<1	
Silver	ppm	0	<1	
Manganese	ppm	0	4	
Vanadium	ppm	0	<1	

<1 0 10

O 1278

0

O 221



Fort McKay Industrial Park, Lot No. 12 and 13 Fort McMurray, AB CA T9H 5N3 Contact: Corey Ekroth corey.ekroth@liebherr.com

T: (780)791-2967

F:

Diagnosis

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:LIEFTMUnique No:5697579Signed:Kevin MarsonReport Date:20 Dec 2023

16

3

19

0

239

1005

ADDITIVES

mqq

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus







GRAPHS

