CONSTRUCTION EQUIPMENT

LIEBHERR L586 033192 - Front Differential

LH0277523

20 Nov 2023

19190

Changed

Sample No: LH0277523

Sample Number

Sample Date

Oil Changed

Oil Hours

Machine Hours

Oil Type: **GEAR OIL SAE 75W90**

Sample Information





AND & GRAVEL

Contact: Service Manager

T: F:

WATERFORD SA
10546 ON-3
WAINFLEET, ON
CA LOS 1V0

Sample Status		NORMAL	NORMAL	NORMAL	NORMAL	
Oil Condition						
Visc @ 40°C	cSt	95.7	95.4	98.6	91.8	

LH0261553

12 Jun 2023

18072

Changed

0

LH0234633

30 Sep 2022

16970

Changed

LH0222560

20 Apr 2022

15948

Changed

Contamination Water NEG NEG NEG

Tuto	70		1420	1120	1420	
Silicon	ppm	4	O 2	O 2	3	
Sodium	ppm	 <1	O <1	O <1	O <1	
Potassium	ppm	0	O <1	O <1	O <1	
Wear Metals						
Iron	ppm	84	85	O 114	O 204	
Copper	ppm	3	4	4	4	

Iron	ppm	84	O 85	O 114	O 204
Copper	ppm	3	4	4	4
Lead	ppm	○ <1	O <1	O <1	O 2
Tin	ppm	0	O <1	O	O <1
Aluminum	ppm	0 <1	O <1	O <1	O 1
Chromium	ppm	0	0	0	O <1
Molybdenum	ppm	0	0	O	O <1
Nickel	ppm	0	0	0	O <1
Titanium	ppm	0	O <1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	○ <1	1	1	3
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0		
Additives							
Calcium	ppm	12	O 11	1 3	9		
Magnesium	ppm	2	O 2	O 2	O 2		
Zinc	ppm	11	O 11	O 12	10		
Phosphorus	ppm	2278	2097	2283	3531		
Barium	ppm	○ <1	O 0	O 0	0		
Boron	ppm	291	○ 317	○ 302	261		

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.

Depot: WATWAI Unique No: 5683031 Signed: Wes Davis Report Date: 21 Nov 2023

CONSTRUCTION EQUIPMENT





Graphs

