

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 055418-1334 - Front Differential

Sample No: LH0281409

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0281409	LH0270259	LH0274430	LH0256595
Sample Date	21 Jan 2024	25 Sep 2023	15 Aug 2023	27 Mar 2023
Machine Hours	13061	12214	11526	10029
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**CGC INC**  
 55 THIRD LINE RD  
 HAGERSVILLE, ON  
 CA N0A 1H0  
 Contact: Mike Otterman  
 motterman@cgcinc.com  
 T: (905)768-2038  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	94.4	95.3	95.1	92.3



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	4	3
Sodium	ppm	<1	2	<1	<1
Potassium	ppm	<1	0	<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	85	94	146	76
Copper	ppm	11	15	27	25
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	2	2
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	<1	2	1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	12	12	12	13
Magnesium	ppm	2	1	2	2
Zinc	ppm	13	15	22	20
Phosphorus	ppm	2599	2525	2353	2734
Barium	ppm	0	<1	0	0
Boron	ppm	293	292	294	290

Depot: CGCHAG  
 Unique No: 5711450  
 Signed: Wes Davis  
 Report Date: 22 Jan 2024



### GRAPHS

