

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 055418-1334 - Front Differential

Sample No: LH0296736

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	<b>LH0296736</b>	LH0276261	LH0281409	LH0270259
Sample Date	<b>07 Jul 2024</b>	14 May 2024	21 Jan 2024	25 Sep 2023
Machine Hours	<b>15057</b>	14463	13061	12214
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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#### Oil Condition

Visc @ 40°C	cSt	<b>98.0</b>	96.0	94.4	95.3
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	3	3
Sodium	ppm	<b>&lt;1</b>	1	<1	2
Potassium	ppm	<b>&lt;1</b>	<1	<1	0

#### 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	<b>106</b>	121	85	94
Copper	ppm	<b>11</b>	16	11	15
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### Additives

Calcium	ppm	<b>20</b>	19	12	12
Magnesium	ppm	<b>2</b>	3	2	1
Zinc	ppm	<b>14</b>	17	13	15
Phosphorus	ppm	<b>2483</b>	2422	2599	2525
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>295</b>	298	293	292

**Depot:** CGCHAG  
**Unique No:** 5811964  
**Signed:** Wes Davis  
**Report Date:** 09 Jul 2024



### Graphs

