

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Front Differential

Sample No: LH0276261

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0276261	LH0281409	LH0270259	LH0274430
Sample Date	14 May 2024	21 Jan 2024	25 Sep 2023	15 Aug 2023
Machine Hours	14463	13061	12214	11526
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 55 THIRD LINE RD
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Oil Condition

Visc @ 40°C	cSt	96.0	94.4	95.3	95.1



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	3	4
Sodium	ppm	1	<1	2	<1
Potassium	ppm	<1	<1	0	<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	121	85	94	146
Copper	ppm	16	11	15	27
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	<1	<1	2
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	19	12	12	12
Magnesium	ppm	3	2	1	2
Zinc	ppm	17	13	15	22
Phosphorus	ppm	2422	2599	2525	2353
Barium	ppm	0	0	<1	0
Boron	ppm	298	293	292	294

Depot: CGCHAG
Unique No: 5776975
Signed: Wes Davis
Report Date: 15 May 2024



Graphs

