

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Rear Differential

Sample No: LH0296735

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0296735	LH0276262	LH0285018	LH0281363
Sample Date	07 Jul 2024	14 May 2024	11 Feb 2024	21 Jan 2024
Machine Hours	15057	14463	8094	13061
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CGC INC
 55 THIRD LINE RD
 HAGERSVILLE, ON
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Oil Condition

Visc @ 40°C	cSt	98.2	95.3	94.9	94.2
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	<1	5	2
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	<1	<1	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	24	47	60	49
Copper	ppm	7	13	27	11
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	2	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	15	20	16	12
Magnesium	ppm	2	2	3	1
Zinc	ppm	12	18	16	15
Phosphorus	ppm	2525	2496	2509	2585
Barium	ppm	0	0	0	0
Boron	ppm	296	301	291	299

Depot: CGCHAG
Unique No: 5811965
Signed: Wes Davis
Report Date: 09 Jul 2024



Graphs

