

# Technical Bulletin

## Caterpillar 740 (AXM, B1P), 740B (L4E, T4R) Service Brake Accumulators.

### PROBLEM

Low service brake pressure warning alert.

### SOLUTION

The relevant Caterpillar Operating & Maintenance Manual recommends that the Brake Accumulator (Service) - Test and Charge" is performed every 2000 hours.

Please refer to Testing & Adjusting document RENR5129-06 for the recommended service procedure to check & re-charge.

Machine	Service Brake Accumulator	Precharge Pressure
735 (S/N: AWR1-450) 740 (S/N: AXM1-855) 740 EJECTOR (S/N: AZZ1-293) Machines with hydraulic slack adjusters	192-1462	3100 ± 50 kPa (450 ± 7.3 psi)
	Field replacement is 174-3199 .	5650 ± 150 kPa (820 ± 22 psi) <sup>(1)</sup>
735 (S/N: AWR451-765) 740 (S/N: AXM856-1697) 740 EJECTOR (S/N: AZZ294-372) Machines without hydraulic slack adjusters	192-1462	3100 ± 50 kPa (450 ± 7.3 psi)
	Field replacement is 251-8266 .	5650 ± 150 kPa (820 ± 22 psi) <sup>(1)</sup>
735 (S/N: AWR766-UP, B1N1-UP) 740 (S/N: AXM1698-UP, B1P1-UP) 740 EJECTOR (S/N: AZZ373-UP, B1R1-UP)	251-8265	5650 ± 150 kPa (820 ± 22 psi)
	Field replacement is 251-8266 .	
735 (S/N: AWR766-UP, B1N1-UP) 740 (S/N: AXM1698-UP, B1P1-UP) 740 EJECTOR (S/N: AZZ373-UP, B1R1-UP)	163-55632	9600 ± 172 kPa (1400 ± 25 psi)
	Field replacement is 172-2412	
735 (S/N: AWR766-UP, B1N1-UP) 740 (S/N: AXM1698-UP, B1P1-UP) 740 EJECTOR (S/N: AZZ373-UP, B1R1-UP) Cold Weather Application	223-2444 348-9291	3100 ± 50 kPa (450 ± 7.3 psi)
	Field replacement for 223-2444 is 223-2445 Field replacement for 348-9291 is 349-1689	

Note: When you check the nitrogen pre-charge pressure, there may be slight oil leakage from the nitrogen charge valves of the accumulators. This oil leakage is normal. The leakage is because of a small quantity of oil in the side of the accumulator that contains the nitrogen. The oil was added during the manufacture of the accumulator.

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