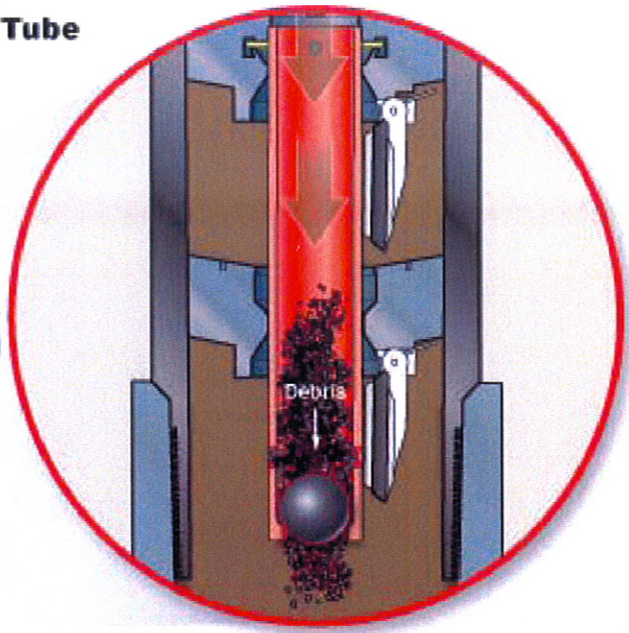


Clogged Auto-fill Tube

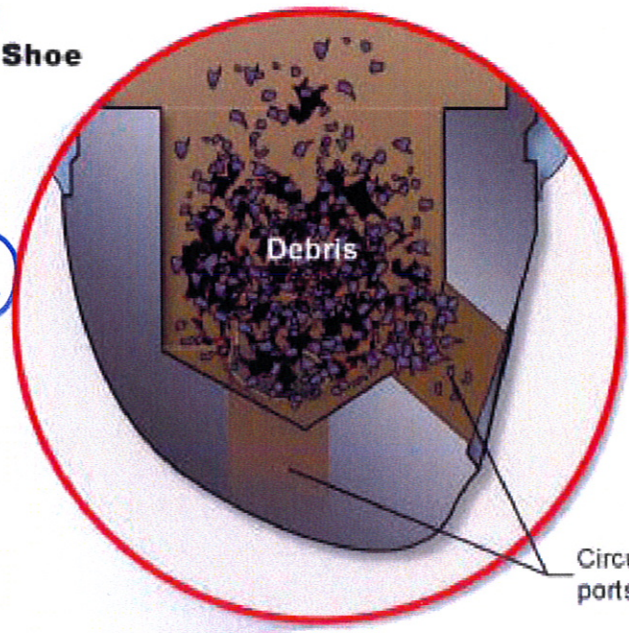
①



Cuttings or other debris clog the tube.

Clogged Reamer Shoe

②



Cuttings or other debris clogs the "circulation ports"

Figure 13: Obstructions Prevent Circulation

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