



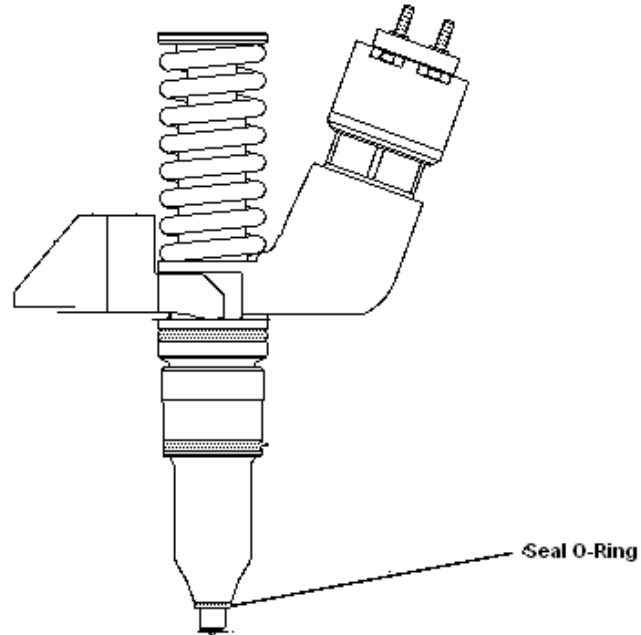
## IPD TECH BULLETIN

### *Injector tip O-ring failure?*

November 2008

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You may have noticed on many of the later model engines, C-15, C-16, C-18, etc. that the seal O-ring at the injector tip has deteriorated. Some have questioned if the O-ring itself had failed and what the effects are.



The function of the seal O-ring at the tip of these injectors is to seal long enough during the break in period for a "carbon dam" to be established. Once the "carbon dam" is in place the seal O-ring has serviced its purpose and due to the harsh conditions associated to this area of the engine the O-ring will deteriorate. This is a normal occurrence and does not affect the engine's performance or cause the injector to fail.

Continued...

In the photos below you will see the remainder of seal. It is normal for the O-ring to be burnt or damaged during engine operations.



Further supporting information can be found on OE publications SEBD6804 and SEBD9511

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