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## FOR IMMEDIATE RELEASE

### IPD Awarded Patent for “Two Piece Cast Ferrous Crown Piston for Internal Combustion Engine”

Torrance, California (August 2011) – IPD, a leading aftermarket provider of engine components for heavy-duty diesel and natural gas powered engines, is proud to announce that the United States Patent and Trademark Office (USPTO) has awarded **Patent No. 7938093** to IPD for the invention of an articulated two piece piston with a crown of precision cast high-strength ferrous material. This design features the following innovative design characteristics:



- **IPDSteel®** high performance cast crown (attached to a separate skirt)
  - High strength, durability, and heat resistance
  - Wear resistant and dimensionally stable under conditions of high heat and pressure
- Innovative precision net dimension type cast crown design
  - Improved heat distribution for enhanced thermal transfer efficiency
  - Controlled thickness for mechanical and thermal consistency



This design provides improved overall thermal transfer between the piston crown and cooling system of the engine, resulting in an exclusive design that provides exceptional performance. At this time, IPD exclusively manufactures these patented articulated two piece pistons within heavy-duty industrial markets, providing an innovative and cost effective service parts replacement alternative for select newer engine applications.

**The Standard for Quality, Innovation, Service and Support Since 1955**  
*IPD is ISO9001:2008 Certified by Lloyds Register®*

“This exclusive piston design enables IPD to offer our customers a service replacement alternative for many newer model engines that require a steel crown piston design,” notes Bob Straw, IPD’s Vice President of Sales and Marketing. “From our exclusive one and two piece **IPDSteel®** pistons, to our special Crevice Seal liners, to our market leading **IPDStyle 1-2-3™** Gasket Kits...IPD continues to offer innovative and high quality service parts replacement solutions that are both cost effective and reliable. We recognize that our customers are servicing engines within increasingly complex industrial markets, and the demand for high quality, reliable, and cost effective service solutions is driving IPD’s core strategies.”

For information on IPD, please visit [www.ipdparts.com](http://www.ipdparts.com). IPD can also be reached via email at [sales@ipdparts.com](mailto:sales@ipdparts.com).

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### **About IPD**

Since 1955, IPD has focused on helping equipment owners save money without risk to reliability. IPD continues to build on over 55 years of manufacturing experience with Quality Products, Technical Innovation, and Superior Customer Service and Support. IPD’s product line includes diesel and natural gas replacement engine parts for Caterpillar®, Cummins® and Detroit Diesel® engine applications.

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