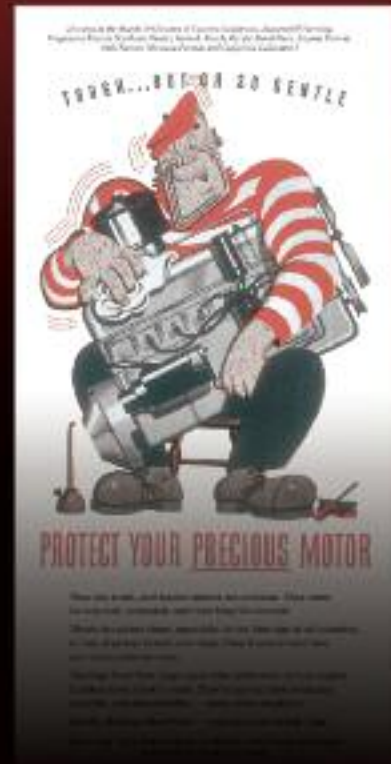


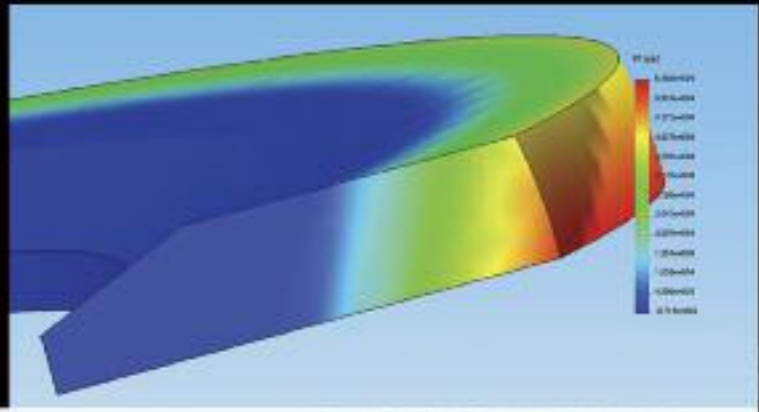
# ABOUT HASTINGS MANUFACTURING COMPANY

For nearly 100 years, Hastings Manufacturing has been the technology leader in piston rings. In 1956 we invented the Flex-Vent® oil control ring; made famous by our legendary Tough Guy character, this revolutionary three-piece design using rails and expanders is still the ring of choice in OEM and aftermarket applications.



## ENGINEERING

Hastings Tough Guy Racing Ring engineering goes far beyond “fitting the piston.” It extends to providing intricate ring and groove combinations, high strength materials and special coatings to meet unique operating applications. Our engineering expertise guarantees the right rings, or ring sets, for diverse and demanding racing engine applications.



## DESIGN AND TESTING VERIFICATION

In an effort to predict real-world reliability, Hastings is committed to design and testing verification, simulation, and analysis. This includes 3-D solid modeling to ensure accurate and timely product and tooling design.



## MANUFACTURING

Proprietary Hastings-designed processes include parametric CNC programming for manufacturing products and tooling through the modification of variable inputs. This includes integrated design systems that use product dimensional data to automatically design tooling, track revisions, and create numerical code for manufacturing. Standard CNC machines have also been adapted by Hastings to perform specialized tasks using input from our external gauging systems.



## QUALITY REGISTRATIONS

We are relentless in the pursuit of Quality, Excellence, and Continuous Improvement (QECI). As a primary innovator of piston ring design and technology, we offer the quality and reassurance inherent with having our own on-site foundry, specialized manufacturing processes, and hard-earned TS-16949 and ISO-14001 registrations.

Hastings Manufacturing designs and manufactures piston rings for OEM's worldwide, including Chrysler, Ford Motor Company, General Motors, Harley-Davidson, and many other Tier One and Tier Two customers. Each of the above-mentioned companies has presented Hastings with quality supplier awards.



## APPLICATIONS COVERAGE

Hastings range of applications for the engine aftermarket is broader than all of our other competitors combined. We have rings for virtually every engine type including Cars, Trucks, Motorcycles, Marine, Agriculture, Compressors, and Performance Racing—Domestic and International. Hastings is the aftermarket ring of choice.

