

Peter Guba

3736 Shinglecreek Crt.
Windsor, Ontario, N8W 5T8, Canada
Home phone #: (519) 969-8095
guba@uwindsor.ca

REPORTS

1. Experimental Work Using Brake Rotor F1314; Magma Simulations, the Temperature Measuring in Pouring Melt Stream and the Temperature Measuring on Disa Line using 3D Printed Instrumented Cores, January 26, 2017.
2. Further Development of Rassini Process Simulation Using HT UMSA, January 23, 2017.
3. Comparison of the Structures of the Un-Inoculated Fractured Cooling Fin(s) and Inoculated F1314 Brake Rotors using LOM and SEM Analyses, September, 2016.
4. Development of HT UMSA Software and Hardware for Physical Simulations of Rassini Process, September, 2016.
5. Stable and Unstable Eutectic Transformations of Un-inoculated Cast Iron HT UMSA Experiments, September, 2016.
6. Thermal Data from the Disa Line at Rassini for the F1314 Brake Rotor, Step-Like Plate and the HT-UMSA Samples, July, 2016.
7. Development of the New TL-048A Cast Iron and its Technology using HT UMSA Physical Simulations, June, 2016.
8. Construction of a General Purpose Data Acquisition Computer System and its Application for Measurement of Thermocouple Signals, February 2016.
9. Development of High Temperature UMSA Platform Capabilities for Improved Frenos/Rassini Brake Rotor Production- Executive Summary, January, 2016.
10. Development of the High Temperature UMSA Platform's Capabilities Rendering Improvements in Brake Rotor(s) Performance, University of Windsor, Windsor, ON, Canada, February, 2016.
11. Comparison "R" Cast Iron Specification vs. ASTM and SAE Specifications, University of Windsor, Windsor, ON, Canada, February, 2016.
12. Thermal Data Analysis of the Brake Rotor and Plates from the Plant in Puebla vs. HT UMSA Sample, University of Windsor, Windsor, ON, Canada, February, 2016.
13. A Precision Micro-Jet Cooling System for High Temperature (HT) UMSA Applications, University of Windsor, Windsor, ON, Canada, January, 2016.
14. Metallurgical Analysis of HONDAS' Shafts WOT#1 & NEW#2, University of Windsor, Windsor, ON, Canada, October, 2015.
15. Material Identification of Construction Parts from Historic Airplane and Suggestions for the Replacement by New Materials, University of Windsor, Windsor, ON, Canada, October, 2015.
16. Further Development and Utilization of the Existing High Temperature (HT) UMSA Platform to Improve Manufacturing Processes and Brake Rotors at "R" as well as Improvement of Magma Soft Computer Simulation Codes, University of Windsor, Windsor, ON, Canada, July, 2015.
17. Construction of a General Purpose Data Acquisition Computer System and its Application for Measurement of Thermocouple Signals, University of Windsor, Windsor, ON, Canada, July, 2015.
18. Development of the Vacuum Assisted High Pressure Die Casting (HPDC) UMSA Technology Platform, University of Windsor, Windsor, ON, Canada, October, 2012.
19. Utilization of cold gas dynamic spray technology for improvement of homogeneous charge compression ignition engines, November, 2010.
20. H₂S corrosion of internal combustion engines, April, 2010.
21. EGR as a Control Method for a HCCI Engine, November, 2009.
22. Thin Films & Coatings, Cold Gas Dynamic Spray Technology, March, 2009.
23. Completeness of combustion in HCCI Engine fueled with ethanol, April, 2008.