PETER ORLOSKI

peter.orloski@att.net (248) 224-5321

Career Summary

Since 1988, I have focused my career on brake development, testing and dynamometers, holding advancing positions in several Brake Dynamometer Laboratories within several companies. Having been a part of integrating equipment and processes in brake testing labs has enabled me to build a broad and extensive knowledge base related to NVH, performance, functional and friction testing processes, procedures, equipment and methodology.

Also included in my local day-to-day solution-based experience are international opportunities, where, through collaboration with other team members I built and further expanded my experience, creating, learning and presenting emerging technological concepts to solve product challenges across company lines, where developed and refined processes and systems were often implemented and integrated across other company locations.

Managing the commissioning, operation, upgrades, maintenance and repair, including fixture and training requirements to insure proper set-up and operation of new and aged units has empowered me to become an effective results oriented leader and integrator of processes and systems related to hydraulic foundation braking, mechanical parking brakes, Motor On Caliper park brakes. Including supporting the latest EURO 7 Brake Emissions Testing techniques.

Some Project History

- Oversaw the build out and installation of a HORIBA GIANT NVH Dynamometer.
- Lead HORIBA's North American Contract Brake Test departments start up and currently managing the operation.
- Successfully correlated dynamometers to Ford, Honda, FCA, Nissan and Subaru amongst other OEM customers' testing procedures and requirements. Including achieving GM TIP certifications for various Dynos and test stands
- Headed up moving Continental Automotive Brake Dynamometer Lab to their newly built facility.
- Planned the purchase and lead the installation of new SCHENCK and LINK Brake Dynamometers along with Environmentally conditioned systems.
- Lead the move for a Torq Flex laboratory to Las Colinas, provided the detailed scope of work and issued the formal RFQs, maintained communication with the prospective suppliers to ensure the award went to the right size supplier, continued support of the project until the successful completion, in both Auburn Hills and Mexico.

Systems integrated

- Dyno controlled device for dynamically applying Simultaneous wheel and corner loading during testing operation.
- Electronic park brake apply controller and caliper force feedback instrumentation system.
- All fixtures and tooling for test stand requirements for dynos and test stands in the lab, building from specs and prints and from simple sketches or less to make component adaptions quickly and accurately.
- Working knowledge of the Hardware and software for CAN Bus communications.

Software experience

- Many years of experience using Pro Link, Horiba STARS and other software control suites.
- Excel sheets and templates, DiaDem and other report evaluation software suites.
- Understand data and software at a level to learn the basics of suites quickly.

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Current Employment

January 2018 – Present Horiba Instruments Incorporated Troy, MI

Brake Testing Laboratory Manager

Accepted the challenge to establish Horiba's Brake dynamometer laboratory operations in the US, Began by collaborating with internal and outside suppliers and vendors to install the HORIBA GIANT EVO NVH dynamometer with a Climatic Test Systems Environmental Conditioning Unit.

A percentage of my job description has to do with sales, tasks include communicating with prospective clients, preparing customer Quotes, managing customer test plans and projects, also included is supporting the marketing of HORIBA Brake Testing Services, turning a customer into a client is the goal.

Oversee lab operation, where DV/PV tests, NVH, performance and DOE, amongst other types of tests and investigations on various car platforms for customers are conducted.

Additional to managing the brake dyno lab, I also provided project management support for other departments where HORIBA offers fatigue and endurance testing on hydraulic and electrical rigs HORIBA conducts contract testing on.

Support HORIBA Florsheim Brake Emission Testing services for US customers that use the testing services in Germany where HORIBA conducts all dynamometer Brake Emissions Testing services.

Former Employment History

1997 – February 2018 Continental Automotive Systems Auburn Hills, MI

Senior Brake Dynamometer Specialist – Hydraulic Brake Systems

Responsible for the operation of all test equipment in lab, provided support and training for Engineers and Technicians conducting Brake tests, on Brake dynamometers, RTV and torque flex machines, supported data acquisition systems, performed and outsourced calibration on the instruments in the lab, worked with various groups to test and develop Continentals products, such as foundation brake calipers electric parking brake calipers, including dyno control modifications to establish control connectivity of the EPB calipers.

1995 – 1997 Lucas Automotive

Brake Dynamometer Technician – Foundation test

1992 – 1995 Allied Signal Automotive

Brake Dynamometer Technician – Friction Group / Caliper Group / NVH Group

Conducted early Environmental controlled Brake Dynamometer noise testing procedures.

1988 – 1992 Greening Test Labs

Began as an entry level Technician promoted to Laboratory Supervisor

Early to industry computer controlled brake dynamometer control and report writing.

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Education

1984 – 1986 Northwestern Business College Technical Center Lima, Ohio

Associates of business – Automotive and Diesel Technology

Notable Awards Received

- Designed upgrades for Noske Kaiser Environmental unit to meet the correlation testing requirements for Nissan squeal test procedure. Received award for saving the replacement cost of a new environmental unit. The unit is still running today.
- Implemented an automated measurement system to measure total shoe center clearance on a drum brake, that resulted in reduced cycle time and total test time overall. Saving 35 + hours of test time and machine down time per test and meeting dead line requirements.
- Designed a brake pad measurement system to measurement and record pad thickness, and then supervised an intern group to build and assemble it, eventually automating the process and eliminating the inherent inaccuracies of micrometer measurements.
- Achieved GM TIP Certifications on Link, Schenck and HORIBA Brake dynamometers and RTV/Drag Torque machines.
- Recognized for 5S activities resulting in positive measurable changes to processes rolled out and then sustained over time.

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