

# SGS COMPONENT LATERAL SLOSH TESTING

Offering more than 1500 different testing services to clients in automotive, marine, small engine, agriculture, and portable fuel container markets, our lab in Lapeer, MI is equipped to help you with your testing needs. From simple tensile measurements to complex engineering evaluations requiring simultaneous measurement and control of vibration, temperature, flow, and altitude, we deliver quality results, unparalleled service, and fast turnaround times.

Just north of suburban Detroit, our ISO 17025 accredited facilities include more than 40,000 square feet of lab space. We assist clients with certification compliance testing and submission as well as develop and perform custom tests for individual companies and industry groups.



## DURABILITY & NOISE SYSTEMS

### SLOSH NOISE TESTING FOR FUEL TANKS

- Third octave, octave and narrow band analysis plus four digital video signals
- Noise floor of 28 dB(A) in semi-anechoic termination cell
- Acceleration/deceleration rates up to 4.9 m/s<sup>2</sup>
- Payloads up to 200kg

### SLOSH DURABILITY TESTING

- Fuel pump module durability
- Multiple OEM protocols available
- Cold slosh cycle for DEF components

### MEASUREMENT PARAMETERS

- Temperature
- Pressure
- Flow
- Resistance

### APPLICATIONS

- Fuel tank pump/module durability
- Fuel tank baffle system durability
- DEF tank freeze and thaw durability

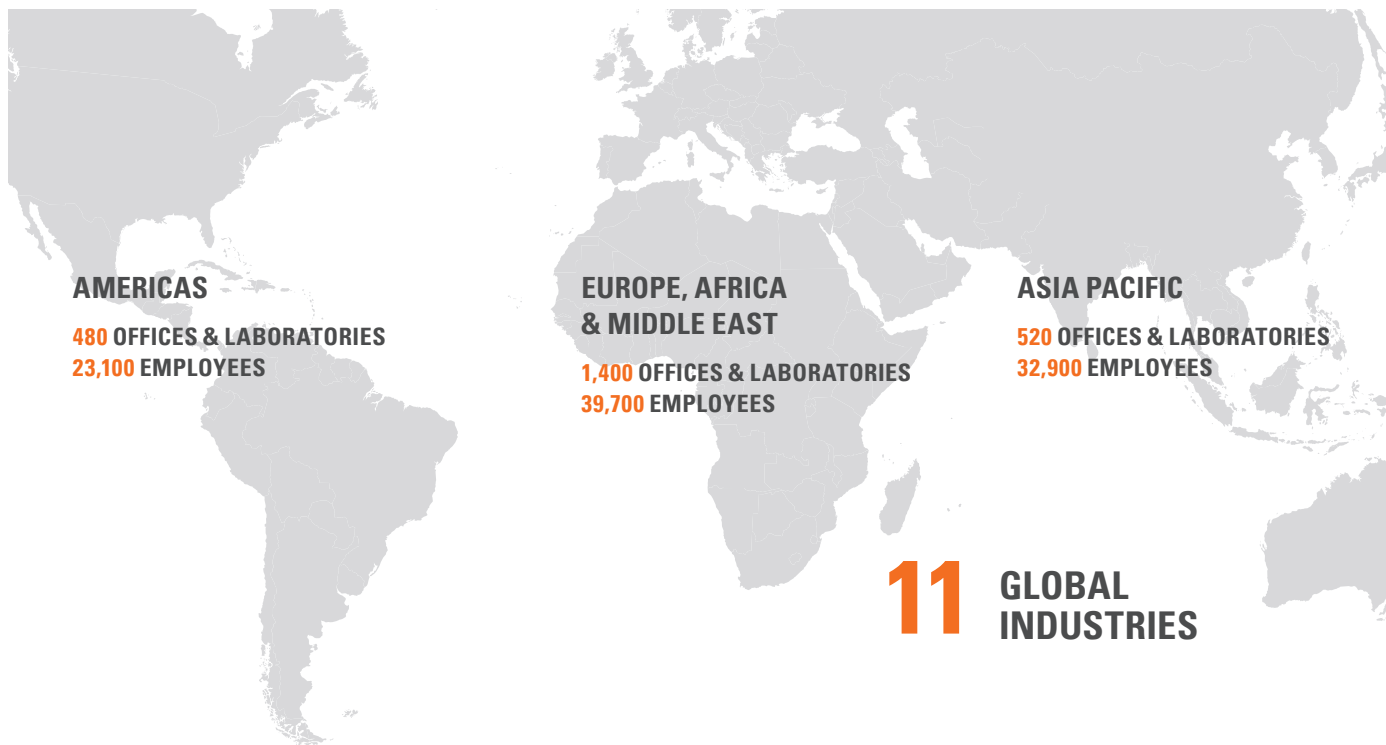
## CONTACT US

To request a quote or discuss your testing needs in detail, please call +01 844 730 4175 or email [us.transportation@sgs.com](mailto:us.transportation@sgs.com).



# SGS GLOBAL & LOCAL

95,000 EMPLOYEES | 2,400 OFFICES & LABORATORIES AROUND THE WORLD



## GLOBAL SERVICE LOCAL EXPERTISE

### SGS TRANSPORTATION

- Automotive
- Aerospace & Defense
- Military
- Marine
- Off-road
- Non-road
- Small Engine
- Power Sports
- Agriculture
- Portable Fuel Containers
- Industry Groups
- Government & Regulatory Agencies

### CONTACT US

**VARIABLE ALTITUDE ENGINE & VEHICLE TESTING**  
Aurora, CO

**TEST CELL SOLUTIONS, SOFTWARE AND VARIABLE HORSEPOWER ENGINE AND VEHICLE TESTING**  
Columbus, IN

**ROCKY MOUNTAIN HIGH ALTITUDE TEST CENTER**  
Empire, CO

**MILEAGE ACCUMULATION CENTER**  
Jackson, MI

**FUEL & COMPONENT SYSTEMS TESTING**  
Lapeer, MI

**CATALYST AGING & COMPONENT TESTING SERVICES**  
Taylor, MI

**COMPONENT TESTING & ENGINEERING SERVICES**  
Troy, MI

WHEN YOU NEED TO BE SURE

**SGS**