

Combined Dyno-PG-Road Brake Development

Situation

- Limited braking capability: facility access and resource; led Premium OEM to approach HORIBA MIRA
- Iterative component level development required to minimise vehicle level validation
 - PG: Including EU Reg13 and Federal
 - Road: Including Spain and Sweden

Approach

- Braking team suggested a test programme based on “corner” testing on a brake test dyno. Foundation brake components were tested at HORIBA Europe braking test dynos for:
 - AK Master/SAE J2522 - Performance
 - SAE J2521 – NVH
- Vehicle level tests were conducted at:
 - MIRA PG for performance validation and certification
 - Spain (HET & HCT) and Sweden (CET) for NVH
- Whole programme coordinated by HORIBA MIRA for consistency on delivery to customer expectations

Results and Benefits

- Very satisfied customer with a global solution managed by a single point of contact
- High quality technical delivery with results correlated to OEM’s local facilities
- Optimum use of resources maximising global footprint

