

JURATEK

SAF Intradisc

- Engineers Report -

Test performed by: Brake Testing International Ltd

Test date: 26 September 2006

Type of test: CV Global Spec. - Strength Test with SAF

Intradisc and Knorr Bremse SB7000

Testing Equipment: Inertia Dynamometer

 Test No: 070906
 Test Ref: BTI 412 rev1

 Friction Material: Jurid 539FF
 Inertia: 1641.00 kgm2

 Brake Caliper: SB7000
 Brake Disc: SAF105

Effecive rad: 175mm Rolling rad: 528mm

Test Programme: 500 brake applications to be carried out from a speed of 50km/h to 10km/h, with a brake

torque of 90% of the maximum brake torque specified. For this test the maximum brake torque specified was taken to be the torque required to obtain 50% g, which is 15000Nm.

Therefore the test torque was 13500Nm. Initial temperature: >/= 200°C

Test Requirement: The test is regarded to have been passed if the brake disc does not exhibit

any signs of fracture after 500 brake applications.



Inboard Disc after 200 stops



Outboard Disc after 200 stops



Inboard Disc after 400 stops

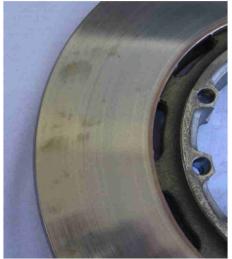


Outboard Disc after 400 stops

## Test Results:



Inboard Disc after 500 stops -Test completed



Outboard Disc after 500 stops -Test completed

The Juratek supplied 'SAF Intradisc' was seen not to have any cracks following the strength test as described above. It can be seen in above photographs that there was no fracture or damage after the 500 brake applications.







