

6056

RISK DESCRIPTION

TREND

CURRENT

RESIDUAL

MAE FYP18 Transient Flow Impingement With Applications to Pressure Gain Combustion Engines



Medium

Not Assessed

RISK OWNER

RISK IDENTIFIED ON

LAST REVIEWED ON

NEXT SCHEDULED REVIEW

BRODIE JAMES NORFOLK

29/03/2018

29/03/2018

29/03/2021

RISK FACTOR(S)

EXISTING CONTROL(S)

PROPOSED CONTROL(S)

TREATMENT OWNER

DUE DATE

Acoustic vibration/noise from shock tube operation

Control: Operate at pressures low enough to not induce detrimental vibration effects

Control: Acoustic wave reflection glass

Control: Hearing protection

Helium poisoning from shock tube operation

Control: Ventilation control implemented

Unauthorised person entering during laser operation

Control: Entry only access to laboratory

Laser beam deflection from incorrect alignment of optics

Control: Correct mounting and alignment

Control: Alignment undertaken initially with low power laser

Eye exposure to operational laser beam

Control: Cover reflective surfaces

Control: Protective eye wear

Control: Laser operated remotely

Control: Laser turned off during positioning of test rig

Laser left on after operation

Control: Turn laser off, complete cross-checks

Positioning test rig

Control: Safe movement procedures -

	using more than 1 person	
General hazards	Control: Check all electrical equipment is tested and tagged prior to use	