| Mixture | Mixture vol % ratio | Test Number | Eq. Ratio | CH4 vol% | H2 vol% | CO vol% | Fuel Gas Flow Rate [kg/s] | Oxygen Flow Rate [kg/s] | Peak Pressure mbar | End Plate | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| H2/CH4 | 60/40 | 1 | 0.55 | 40 | 60 | - | 0.249 | 0.501 | 556 | off | Peak pressure at KU7 in circular duct. Good test but failed to get good IP signals |
| H2/CH4 | 60/40 | 2 | 0.55 | 40 | 60 | - | 0.249 | 0.501 | 603 | off | Peak pressure at KU7 in circular duct. Good test but failed to get good OP signals |
| H2/CH4 | 60/40 | 3 | 0.55 | 40 | 60 | - | 0.252 | 0.498 | 583 | off | Peak pressure at KU7 in circular duct. Consistent overpressures with earlier failed tests |
| H2/CH4 | 60/40 | 4 | 0.62 | 40 | 60 | - | 0.286 | 0.512 | 742 | off | Peak pressure at KU7 in circular duct |
| H2/CH4 | 60/40 | 5 | 0.65 | 40 | 60 | - | 0.296 | 0.517 | 1412 | off | Peak pressure at KU2 in section HR4 - after HE |
| H2/CH4 | 60/40 | 6 | 0.55 | 40 | 60 | - | 0.248 | 0.515 | 776 | on | Peak pressure at KU7 in circular duct |
| H2/CH4 | 60/40 | 7 | 0.62 | 40 | 60 | - | 0.281 | 0.496 | 1128 | on | Peak pressure at KU7 in circular duct |
| H2/CH4 | 60/40 | 8 | 0.65 | 40 | 60 | - | 0.300 | 0.520 | 1753 | on | Peak pressure at PCB on end plate |
| H2 | 100 | 9 | 0.47 | - | 100 | - | 0.107 | 0.480 | 621 | on | Peak pressure at KU6 in the circular duct |
| H2 | 100 | 10 | 0.51 | - | 100 | - | 0.121 | 0.505 | 1016 | on | Peak pressure at PCB on end plate |
| H2 | 100 | 11 | 0.55 | - | 100 | - | 0.117 | 0.501 | - | on | Data not analysed |
| H2 | 100 | 12 | 0.55 | - | 100 | - | 0.132 | 0.520 | 1971 | on | Peak pressure at PCB on end plate. Repeat of test 11. |
| H2/CO | 40/60 | 13 | 0.51 | - | 40 | 60 | 1.058 | 0.547 | 779 | on | Peak pressure at KU6 in the circular duct |
| H2/CO | 40/60 | 14 | 0.55 | - | 40 | 60 | 1.158 | 0.501 | - | on | Data not analysed - flow control valve 'latched open' - ignition not attempted |
| H2/CO | 40/60 | 15 | 0.56 | - | 40 | 60 | 1.185 | 0.519 | 822 | on | Peak pressure at KU6 in the circular duct - noisy data set |
| H2/CO | 40/60 | 16 | 0.59 | - | 40 | 60 | 1.272 | 0.506 | 811 | on | Peak pressure at KU6 in the circular duct |
| H2/CO | 40/60 | 17 | 0.62 | - | 40 | 60 | 1.345 | 0.503 | 1374 | on | Peak pressure at KU5 ahead of the HE |