|  |
| --- |
| **SGT-A35 Test Acceptance Limits -24G DLE, in accordance with CTS 1193** The following summarizes the key test acceptance criteria and limits for the SGT-A35, in accordance with Siemens Test Schedule CTS1193  |
| ***Performance***  |
| Category  | Power (EGHP) Min  | SFC (BTU/EGHP.h) Max  | SOT-Stator Outlet Temp (max)  |
| New  | 42,900  | 6,225  | 1515  |
| Overhaul  | 42,470  | 6,285  | 1515  |
| Mid Life Overhaul  | 41,613  | 6,377  | 1515  |
| Repair  | 40,755  | 6,468  | 1515  |
| ***Emissions***  |
|  |
| NOx Acceptance Requirements  |
| At 100% of Base Load rated power, Nox from 'G' Base rated Engines should not exceed 29 vppm (corr to 15% O2)  |
| CO Acceptance Requirements  |
| At 70% of Base Load rated power, CO dry should not exceed 50 vppm  |
| CO Spread Requirements  |
| CO emitted by a single Combustor should not exceed 300% of the average reading  |
| from all 9 individual probes at any condition in primary pre-mix combustion  |
| ***Combustion Noise***  |
| Minimum separation of 40K TPZ between high power E and D isobars of 2.5 psi, on all 9 combustors  |
| ***Vibration***  |
| Engine vibration must not exceed 16 mm/s at any speed  |
| ***Lubricating Oil***  |
| The scavenge oil temperature must not exceed 200 deg C  |
| Oil consumption must not exceed 0.57 litres/hour  |