

**TABLE A12.1**  
**QUALITY INDEX CALCULATION VALUES**

Control Parameter	Units	Quality Index Threshold	Quality Index U & L Values		Over & Under Range Values	
			U	L	Low	High
Speed	r/min	0.000	1801.5	1798.5	1882	1718
Fuel Flow	kg/h	0.000	1203	1197	1364	1035
Inlet Air Temp.	°C	0.000	25.6	24.4	57.9	-7.9
Intake Man. Temp.	°C	0.000	40.5	39.5	67.4	12.6
Fuel In Temp.	°C	0.000	40.4	39.6	61.9	18.1
Coolant Out Temp.	°C	0.000	88.4	87.6	109.9	66.1
Oil Gallery Temp.	°C	0.000	98.3	97.7	114.4	81.6
Inlet Air Pressure	kPa	0.000	93.3	92.7	109.4	76.6
Exhaust Back Pressure	kPa	0.000	6.3	5.7	22.4	-10.4
Intake Man. Pressure	kPa	0.000	283	277	444	115