



Commercial/Industrial Turbocharger Application Worksheet

Please include additional info as needed

Date		
Company Name		
Primary Contact Name		
Phone		
Email		
Start of Production Date		
Expected Volume		
Application(s)		
Engine Designation		
Displacement		
Configuration		
Fuel Type		
Stoichiometric Air/Fuel Ratio		
Target Air/Fuel Ratio or Lambda		
Throttle or Fuel Mixer before Comp?		
Number of Turbos per engine		
New Application or Existing		
Existing Turbo Make, Model, and P/N		
If Existing, What is driving the Change?		
Emissions Level		
Expected Turbo Life		
Duty Cycle Data available?		
Turbocharger Efficiency Requirements		
Single Stage/Two Stage		
Wastegate or Freefloat		
Actuator Style	Electric, PWM, CAN, Pressure, Vacuum	
Actuator Position Feedback?		
Actuator Calibration		
Water-Cooled Center Housing?		
Water-Cooled Turbine Housing?		
Turbo Mount?		
Speed Sensor?		
Peak Power	@	RPM
Peak Torque	@	RPM
Maximum Engine Speed		
Maximum Compressor Flow Rate		
Comp Inlet Restriction? Filter or Restrictive Ducting?		
Maximum Compressor Inlet Restriction		
Maximum Turbine Inlet Temp		
Maximum Intake Manifold Pressure		
Maximum Turbocharger Speed		
Maximum Engine Vibration		
Maximum Oil Supply Pressure		
Minimum Oil Supply Pressure		
Maximum Oil Temperature		
Maximum Crankcase Pressure		
Oil Filtration Level		
Crankcase Vent Location		
Exhaust After Treatment? What Type?		
Maximum Exhaust Restriction After Turbo?		
Valves per cylinder		
EGR (High Pressure/Low Pressure)?		
EGR Cooling?		
Charge Air Cooling type		
Load Acceptance/Rejection Reqmnts		
Derate at Altitude?		
Requested Engine Data Log info:		
Engine Speed		
Air Flow		
Volumetric Efficiency		
Ambient Pressure		
Ambient Temperature		
Air Filter Depression		
Compressor Inlet Temperature		
Compressor Inlet Pressure		
Compressor Outlet Temperature		
Compressor Outlet Pressure		
CAC Inlet Temperature		
CAC Inlet Pressure		
CAC Outlet Temperature		
CAC Outlet Pressure		
Intake Manifold Pressure		
Intake Manifold Temperature		
Exhaust Manifold Pressure		
Exhaust Gas Temperature		
Exhaust System Pressure Drop		
Turbocharger Speed		
Altitude		
Air/Fuel Ratio		
EGR Rate		
Brake Specific Fule Consumption		
Wastegate Position		