

Replacement Aircraft Engine for Tennessee Department of Transportation
Aircraft Model: 1988 Beechcraft BE-58 Baron
Serial Number: TH-1534

DESCRIPTION: Selected vendor is to furnish two (2) Continental Motors Inc.(CMI) **ZERO TIMED (0:00) FACTORY REMANUFACTURED**, Model R-10-550-C1F, 300 HORSEPOWER, RECIPROCATING, SIX CLYLINDER, AIR-COOLED, HORIZONTALLY OPPOSED, DIRECT DRIVE, FUEL INJECTED AIRCRAFT RECIPROCATING ENGINES. These engines must include the following accessories at no extra charge:

ACCESSORIES: (No substitutions allowed)

1. Magnetos, two ea. S6RN-1225 (Both Side) Impulse Coupling
2. Ignition Harness, 5 MM Shielded (.750-20 THD. Connection)
3. Starter Assembly, 24 Volt
4. Oil Cooler
5. Fuel Injection
6. Alternator and Hub Assembly, 100 Amp
7. Fuel Pump Assembly

Engines must conform to Federal Aviation Administration Continental Type Certificate #E3SO, latest revision, and be certified to meet the applicable Airworthiness Standards as set forth by Title 14, CFR Federal Aviation Regulation Part 33, latest revision. Engines and all supplied accessories must have all applicable Airworthiness Directives issued by Federal Aviation Administration specified I/A/W Title 14, CFR, Federal Aviation Regulations Part 39, Manufacturers Service Bulletins, Service Letters, and significant engineering notes complied with PRIOR to delivery. Engines shall be delivered with new logbooks and operators manuals supplied by Continental Motors Inc. that meet or exceed the specification set forth in Title 14, CFR, Federal Aviation Regulation Part 43, latest revision.

The State expressly reserves the right to review test cell ratings and operating parameters, vibration survey data, calibration and endurance tests including performance and adjustments settings to determine engines' operating characteristics PRIOR to delivery. The State has the right to reject any engine, accessory, or component that in its opinion does not meet type design, suitability, durability, or other properties that would not allow it to function properly in all flight attitudes and atmospheric conditions in which engine, accessory, and/or components are expected to perform normally in accordance with the aircraft's federally approved Aircraft Flight Information Manual.

SPECIFICATIONS:

1. All parts, components, supplies, and material furnished must be certified as NEW or REMANUFACTURED without exception. Reconditioned and Overhauled items will not be considered and are not acceptable.

2. Remanufactured parts and assemblies offered on an EXCHANGE basis shall be at the sole discretion of the State, and only with the State's prior knowledge and consent.
3. No substitution of parts, material, or assemblies critical to safety of flight will be permitted unless they have been fully tested, qualified, certified by the original manufacturer, and approved in accordance with the specifications of Title 14, CFR, Federal Aviation Regulation Part 21. If required, affected parts, materials, or assemblies shall be identified clearly and legibly with a TSO/PMA marking.
4. The State will trade in two (2) Teledyne Continental IO-550-C8B, 300 Horsepower FACTORY REMANUFACTURED Reciprocating Engines, serial numbers 824494-R and 824495-R. These engines are currently in-service on a Beechcraft Model BE-58 Baron, N310EC, S/N TH-1534. Each engine will have accumulated approximately 1,700 hours "Time in Service" at time of trade. Engines have been maintained in accordance with a federally approved inspection program and have been enrolled and routinely sampled in an oil analysis program.
5. Delivery is FOB destination and offloaded at the Tennessee Department of Transportation, State Hangar, 716 Hangar Lane, Nashville, TN 37217.
6. The State expects the selected vendor to extend any and all special Continental freight discounts to all shipments including delivery of new engines and return freight charges for trade-in engine cores. The State will not pay separate shipping costs on the return freight charges for trade-in engine cores. Respondents are required to include the return freight charges in their initial bid price.
7. Trade-in engines may be inspected and logs reviewed prior to the bid closing by appointment only. Appointments may be scheduled by contacting Mr. Jason Sims at (615) 741-2464, 7:00AM – 3:30PM CST, Monday through Friday.