#10-R-2217936

B/C 410-4 **REQ. HD G09-000613**

1 Ea. New latest model Tandem Chassis Cab Low Boy Truck-Tractor; for 100,000 lb 10' wide low boy trailer; set forward front axle; approximate CA dimensions 106"; GVWR rating 62,000 lbs. minimum; meeting the following specifications, in accordance with manufacturer's standard published specifications:

AXLE, REAR: 46,000 lbs. Eaton D46-170HP (or Meritor equal), road-speed limited to run at 70 MPH (80 ratio), single speed rear tandem axle, with power divider and driver controlled locking differential on both axles.

AXLE, FRONT: 16,000 lbs. minimum with power steering.

SPRINGS, FRONT: 16,000 lbs. minimum

SUSPENSION: Air ride suspension 46,000 lbs., to be Air Trac, or equal with dump valve.

ENGINE: Diesel with 2007 emissions , Electronic, 550 HP (min), 2000 RPM (min); 1850" lbs torque (min), upgradeable w/electronics to 600HP, 6 cylinder Cummins ISX or Caterpillar C-15, 12-volt electrical starting system; batteries, four (4) 12-volt maintenance free rated @ 625 CCA each; with 12-volt lighting system and automatic reset circuit breakers. Dual steel mufflers with stainless shield and 4' foot chrome vertical pipes and clamps with 90 degree turn on upper end; 160 amp alternator. Automatic engine idle shutdown. Jacobs engine brake or equal. If 2010 emissions engine has to be bid it must be without additional exhaust hardware or the need of an exhaust fluid.

TIRES: 11R 22.5 - 16 ply on 8.25" heavy duty disc type non polished aluminum wheels (10 hole piloted hubs). Front and tandem dual rear, with spare wheel.

BRAKES: Full air, "S" Cam type front and rear with automatic slack adjusters, with 13.2 cu. ft. compressor, air dryer, low air pressure buzzer, automatic moisture ejectors, hand control valve, and **16 1/2" X 7"** rear and **16 1/2" X 6"** front. Rear Spring set parking brake on both rear axles. Equipped with full flow oil filter, replaceable element.

COOLING SYSTEM: Radiator 1200 square inches (minimum), frontal area, removable top and bottom tanks with spin-on water filter. Snap on bug screen. Silicon Hoses.

FRONT BUMPER: 12" bright finish bumper with tow hooks or tow pin. Two 4" fog lights mounted, wiring, relay and switched in cab.

TRANSMISSION: Fuller FR018210C, 10 speed manual transmission to include 15.5 clutch HD Solo 7 spring & oil to Air Cooler.

DRIVE LINE: 1810 series with 1710 series interaxle.

FRAME: 3,000,000 RBM's, full depth from front to rear, riveted/huck bolted assembly with tractor taper.

FIFTH WHEEL: Holland FW35 or equal air control with 24" adjustment at 4" increments with H.D. top plate.

CAB: Standard conventional construction of aluminum, air ride, insulated throughout; Walls, ceiling and doors, with insulated floor mat and padded vinyl headliner, cab interior surfaces and door panels. Tinted glass all windows. Right hand lower door window with fresnel lens. Hood to swing completely out of the way for quick access to engine compartment and to be constructed of fiberglass. Driver's seat to be high-back air ride Bostrom or National with two back angle, fore and aft isolator to reduce "back slap". Dual arm rest on seats. Three (3) point seat belts. Air ride passenger seat to match driver seat. Seats to be covered with vinyl upholstery with fabric inserts, with adjustable lumbar support on driver's seat. Dual bright aluminum assist or grab handles for cab entry/exit. Adjustable steering column.

EQUIPMENT: Bus type or large aerodynamic cab lights, back-up lights for trailer coupling, combination tail and stop light; dual air horns with covers; dual air or electric operated intermittent windshield wipers with washers, factory AM/FM CD Radio; radio hot post and ground, overhead radio console provision; sun visors right and left side; multi-band dual mirror mounted antenna system; exterior chrome front sun visor; semi-trailer connections; trailer air and electric coiled (15') connecting cables, short Pogo stick aft of toolbox (trailer connectors run under toolbox). West Coast type mirrors 7" X 16" left and right side of cab with electric defogger (mirrors to be set at 109" outside width, if available), with stainless auxiliary 8" minimum convex lens and 8" convex (stainless) at each front fender. Convex mirror mounted over right hand door. Directional signals Class "A". Dual Aluminum fuel tanks cylindrical type one each 90 gallon and one each split tank for 45 gallon fuel and 45 gallon hydraulic fluid.. Aluminum self-cleaning entry steps. Stainless steel full fenders, 30" deck plate mounted behind cab with access ladders and assist or grab handles on headache rack. Anti sail mud flaps. To be equipped with factory air conditioner; heater and defroster; ICC emergency Lamp Flasher; engine oil pressure gauge; water temperature gauge; engine tachometer; temperature gauge for rear axles; temperature gauge for transmission; electric shutdown for engine protection for low oil pressure or high temperature; cab located engine RPM control for winch operation (control for variable speed RPM's); cruise control. Gauges to be bright finished.

FENDERS over both rear tires. 16 gauge stainless steel, smooth with rolled edges.

CAB GUARD: Merritt 319 Cab Guard (68h X 86w) with 367 Jail Bar Window to match centerline of cab window with two full-door enclosures 14" OD/11"ID with a 24" center door enclosure (under window). Enclosures to have stainless doors with full height stainless piano hinge with stainless lockable "T" handle locks and must be weather tight with full perimeter seal. Full enclosures to each have #128 chain rack and #341 shelf mounted on cab guard bulkhead. Also mounting kit. Cab guard must comply with DOT 393.106.

SPECIAL LIGHTS: Two amber strobe lights (Guardian G7PCAC or equal) on top corner of cab guard, two load spotlights on top side of cab guard. In cab switches for these lights.

CDL required fire extinguisher (2AB:10BC) and flag/flare kit.

Truck and Transmission must allow for PTO/Hydraulic pump to be added later to power trailer and winch.

Truck to be equipped with Back-Up Safety Alarm meeting the following specifications: to be ECCO model SA-905; 4" mounting centers; rectangular housing; 82 or 107 dB(A); Type B or factory installed alarm of 90 dB(A) or greater.

Above equipment to be checked over and ready for service before delivery.

TRAINING: Up to four hours operator and maintenance training at delivery time.

FINISH: Standard Factory White.

All fees for Title must be paid by vendor. Address Title to:

Alabama Department of Transportation
Equipment Bureau
1409 Coliseum Blvd.
Montgomery, AL 36110

Title application will be furnished when vehicle is delivered.

Warranty Card and Service Policy must accompany vehicle when delivered.

Vendor to furnish two (2) sets of parts books, service manuals, technical manuals and operators' manuals with unit.

Delivery date and 2007 emission engine availability may be a factor in making award.