

CAN AM  
VOITH COMBISORTER FOR REBUILD  
MTR MARTCO DRAWING #610-D-267  
JOB #57140-K



PICTURE BEFORE REBUILD

**INITIAL INSPECTION REPORT:**

- ROTOR IS IN POOR CONDITION. VANES ARE THE WRONG SHAPE.
- ORIFICE PLATE NEEDS NEW BANGOR BARS.
- EXTRACTION PLATE IS TOO WORN TO RECONDITION.
- THE BASKETS ARE BAD.
- DRIVE SHAFT IS BAD.
- THE CHAMBER DOES NOT HAVE TILE. IT HAS BEEN HARDCOATED. WE WON'T BE ABLE TO PUT TILE IN IT BECAUSE THERE IS NOT ENOUGH ROOM.
- ALL ANGLE FACE RINGS & BACKUP FLANGES ON CHAMBER ARE BAD.
- THE DISCHARGE FLIGHTS (2) ON THE DRUM ROTOR ARE BAD.
- THE DRIVE HOUSING IS GOOD.
- BASKET RETAINER PLATE IS MISSING
- ROTOR END CAP IS GOOD.
- DRIVE END CAP IS GOOD.
- ROTOR SPACER IS GOOD.
- THRUST PLATE IS GOOD.
- BODY IS GOOD.
- ALL BEARING SPACERS & SEAL RINGS IN DRIVE ARE BAD OR MISSING.

## SCOPE OF REBUILD:

- DISMANTLE COMBISORTER COMPLETE.
- CLEAN & DEGREASE ALL PARTS FOR INSPECTION.
- INSPECT FOR REPAIRS & RECORD ON INSPECTION REPORT.
- MACHINE NEW SHAFT & KEYS.
- MAKE & INSTALL NEW BANGOR BARS ON EXISTING ORIFICE PLATE.
- INSTALL ALL NEW ANGLE FACE RINGS & BACKUP FLANGES ON CHAMBER.
- COAT HARDCOATED AREA INSIDE CHAMBER WITH CERAMIC EPOXY.
- MACHINE ALL NEW BEARING SPACERS & SEAL RINGS.
- MACHINE NEW BASKET RETAINER PLATE.
- FABRICATE & MACHINE (2) NEW DISCHARGE FLIGHTS.
- SQUARE UP WORN AREAS OF VANES ON THE DRUM & RE-MACHINE.
- INSTALL NEW THREADED RODS, HEX NUTS & WASHERS ON FRAME.
- BLAST, PRIME & PAINT WITH EPOXY PAINT:
  - MAIN FRAME & MOTOR MOUNT PLATE
  - BEARING HOUSING
- BEAD BLAST STAINLESS & PAINT CARBON STEEL PARTS WITH EPOXY PAINT:
  - CHAMBER
  - BODY
- ASSEMBLE DRIVE CARTRIDGE COMPLETE:
  - NEW:
    - SHAFT
    - SHAFT KEYS
    - BEARING SPACERS & SEAL RINGS
    - BEARINGS
    - O-RINGS
    - LOCKNUTS & LOCKWASHERS
    - SEALS
    - FASTENERS
  - RE-USE:
    - HOUSING
    - ROTOR END CAP
    - DRIVE END CAP
- ASSEMBLE COMBISORTER COMPLETE:
  - NEW:
    - EXTRACTION PLATE WITH SUPPORT RINGS
    - UPPER & LOWER BASKET ASSEMBLY
    - BASKET RETAINER PLATE
    - ROTOR
    - DISCHARGE FLIGHTS
    - O-RINGS
    - FASTENERS
    - SHIM
  - RE-USE:
    - BODY
    - ROTOR SPACER
    - THRUST PLATE
    - ORIFICE PLATE (WITH NEW BANGORS)
    - CHAMBER (REPAIRED)
    - DRUM ROTOR (REPAIRED)

FRAME (W/NEW THREADED RODS & FASTENERS)  
BELT SHEAVE & QD BUSHING (SHIPPED LOOSE)

- SHIM ASSEMBLY FOR CORRECT RUNNING CLEARANCE (XTRA SHIM TO BE SENT WITH UNIT)
- TOUCH-UP PAINT AS REQUIRED.
- APPLY ALL TAGGING & DECALS.
- PREPARE FOR SHIPPING.



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