

## GET THE MOST OUT OF THE PROPERTY YOU ALREADY OWN

Our proprietary processes and procedures are meticulously detailed, and proven effective. We go to great lengths to ensure a quality product using our in-house machine shop and experienced personnel. All equipment is repaired back to API 6A specifications, and carries a full one-year warranty. All remanufactured equipment and customer property goes through the following UWS remanufacture process:

### RECEIVING & VISUAL INSPECTION

Once equipment is received into our customers inventory, it is assigned and stenciled with a unique inventory control number which enables tracking of the item throughout the process. At this time, the inventory is entered into our Inventory Management Website where our customers can view the equipment 24/7. The following data is recorded and available for you to view:

- Item Description
- Lease the equipment came from
- Date it was received
- Condition of the equipment
- API trim level
- The unique receiving report number assigned to it by UWS
- The UWS facility that is storing the item.

There is also a “Note” section where the customer can enter comments. These comments are immediately forwarded to the Facility Manager that is in charge of the equipment.

As our customer, you have the ability to sort your inventory by any of the columns listed above. Sorting by lease name shows what was sent in from the location. Sorting by description quickly shows how many of a specific item you have your inventory. Shipped items are never deleted, rather moved to a shipped folder. You have 24/7 access to this as well and can view the following:

- The lease name where the item was shipped.
- The date it was shipped.
- The UWS delivery ticket number it was shipped on.

Items that are deemed scrap or obsolete are put into a file labeled as such. They are also available for you to view 24/7.

### EVALUATION & DISPOSITION

Customer requirements are noted on the receiver. Options are unlimited, but typically are as follows:

- Hold in customer inventory for further notice.
- Repair and return to same lease.
- Repair and hold in customer inventory.
- Test & grease only, return to same lease  
*(There is no warranty for test and grease work).*

### DISASSEMBLY & PHYSICAL INSPECTION

Once items are approved for repair, the following process applies:

- Every component is completely disassembled and cleaned.
- All items are inspected, both visually and dimensionally. The dimensional measurements are physically and digitally recorded on a shop router specific to the control number.
- All items are repaired to API 6A and OEM specifications using strict UWS procedures.
- All sealing or working components that fail API specifications are replaced.
- All elastomeric items are replaced, regardless of condition.
- All Body Grease, Test, Bleed, and Packing Injection fittings are replaced.
- Studs and nuts are replaced with applicable grade material (Black, Cadmium Plated, Teflon Coated, etc.)

**If at any time during this procedure it is determined that a component is not feasible to repair, you will be notified. You set the limits for repair cost ceilings. We will not invoice you for repairs above your set limits.**



**BEFORE CUSTOMER PROPERTY REPAIRS**

### REASSEMBLY

- The items are then re-assembled with the new or remanufactured components.
- Tubing heads are dry fit with a tubing hanger where we record and stencil the lock pin in and out dimensions on the head.
- All gate valves and wellheads are drifted with an API drift bar. All wellheads will have the minimum bore stenciled on the part and recorded.

### TESTING

- The rebuilt assembly moves to the test booth where it is hydrostatically shell tested and each valve is hydrostatically gate tested. Our tests meet or exceed API 6A specifications and every test is chart recorded.
- After successful tests, every connection (including valve bonnets) is re-tightened with a hydraulic torque wrench to API specs. This is done to counter bolt stretch, which is common with new studs.



**AFTER CUSTOMER PROPERTY REPAIRS**

### GREASING

All gate valves are greased with valve lubricant suited for the service and environment the valves will be in (high temp, low temp, high CO2, high H2S, etc.)

### PAINT & PREPARE FOR SHIPMENT

- All completed components are painted to UWS or customer specifications. And protective grease is applied to the seals, ring grooves, and any exposed threads.
- The final assembly is reviewed by the dedicated Quality Control Manager and signed off as ready to ship. Once approved, the UWS sticker is applied.
- All paperwork is then filed and available for customer review.
- The assembly is then tagged with a customer name and well name.

### FULL ONE YEAR WARRANTY

All remanufactured wellheads and valves that are sold or repaired by UWS are warranted for one year. This is the same full warranty as new equipment.