



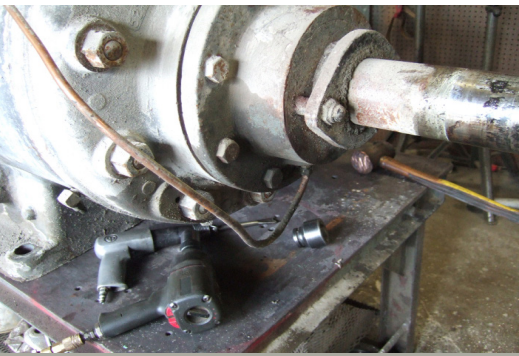
ROTARY VANE COMPRESSOR REMANUFACTURE

SPECIALIZING IN FULLER/FLS & AC RO-FLO

TESCORP, a leading provider of design/build industrial compression applications and related aftermarket services, has fully staffed offices in Oklahoma. We strive for excellence in customer focus, integrity, and prompt attention to your needs.

- ▶ **RE-USE OF CASTINGS** allows for lower cost than OEM exchanges
- ▶ **ALL COMPRESSORS** are rebuilt to the same exacting factory specs
- ▶ **REBUILT MACHINES** come with the same TESCORP quality and warranty you have come to expect over the last 35 years





TESCORP...WHEN DEPENDABLE SERVICE IS CRITICAL

TESCORP announces NEW compressor manufacturing methods to reduce costs

For over 30 years, TESCOP has been an industry leader in utilizing its field service, engineering, and manufacturing capabilities to allow the incorporation of new materials and techniques that were not common before. Now, TESCOP is introducing these same concepts into compressor remanufacturing to gain greater service life at a lower cost than previously experienced through factory authorized exchange programs. TESCOP has expanded its capabilities to include services that were previously restricted by factory contract dictates. These industrial services are recognized techniques that TESCOP has supplied to the demanding oil & gas industry for many years but disallowed by major OEM equipment manufacturers in their quest to supply OEM replacement parts only.

In these difficult economic times, TESCOP recognizes that the most prudent solution to maintenance issues is a quality repair instead of a much more costly compressor replacement. A high quality restoration using modern manufacturing techniques on the compressor components can restore the service life of the compressor at greatly reduced expense. In addition, TESCOP is able to supply a warranty that meets or exceeds current OEM's offers.

TESCORP PLATINUM CARBON BLADES

- ▶ Significantly higher temp resistance reduces catastrophic failure
- ▶ 4x more wear resistant than Kevlar or Phenolic vanes
- ▶ Inert to water/moisture so can be stored indefinitely
- ▶ Patented process provides superior structural skin strength over other carbon vanes on the market, protecting vanes from delamination
- ▶ Higher carbon content provides greater vane integrity

TESCORP SLEEVE

On cylinder assemblies that are dramatically out of internal diameter tolerances, TESCOP offers a re-sleeve process to restore the original design dimensions to the cylinder assembly and appropriate performance. This sleeve is manufactured specifically for TESCOP per our standards and specifications out of a harder and more durable iron. The sleeve once installed not only repairs the cylinder, but is stronger with greater tensile strength and less susceptible to wear.



TESCORP WARRANTY

TESCORP warrants that the new parts installed in your compressor will be free of defects for five (5) years and all remanufactured parts for two (2) years.



TESCORP was chosen to remanufacture all of the rotary vane compressors at NASA wind tunnel facilities located in the Marshall Space Flight Facility.

Compressor Casting Remanufacture

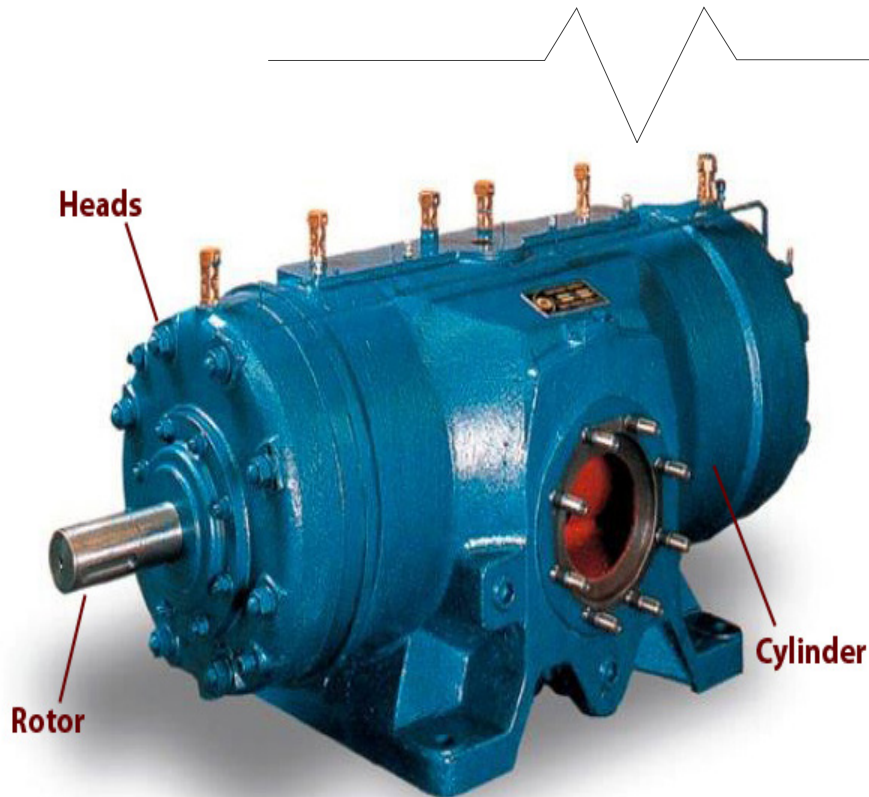
CYLINDER REMANUFACTURE

The major compressor components that account for the greatest cost in the compressor service are:

- ▶ **Compressor cylinder**
- ▶ **Compressor rotor**
- ▶ **Compressor heads**

These are the components that had little allowable tolerance variation before mandated replacement. In most cases, these components may be repaired and remanufactured back to original tolerances and performance. Remanufacture is a fraction of the cost of replacement.

TESCORP offers the following cylinder service for the extended life of the cylinder assembly without the costly component replacement. Manufacture's standards are that this wear is only acceptable within marginal standards before replacement is called for.



TESCORP CYLINDER AND HEADS GUIDELINES	
OEM STANDARDS	TESCORP RECONDITION SOLUTION
Minimum length may not be repaired	Standard length may be restored through metalizing process
Maximum bore may not be connected	Cylinder may be sleeved to meet original tolerances
Internal cracks may not be repaired	May be repaired through our "metal stitch" process or resleeved
Water ports can not be within a 1/8" of a stud hole	May be repaired through our "thermo-plastic powder spray" process and milled to original tolerances
Rotor contact with head	May be metalized back to standard dimensions

TESCORP ROTOR GUIDELINES	
OEM STANDARDS	TESCORP RECONDITION SOLUTION
Minimum length may not be repaired	Standard length is restored through metalizing and machining
Only minimum shaft straightening allowed	TESCORP can remanufacture the rotor shaft
Limited rotor repair allowed TESCORP PO Box 471453 Tulsa, OK 74147-1453	TESCORP re-slots to standard and has additional slot sizing available beyond factory standard for additional service life. TESCOCORP TES-VANES are required
Limited blade re-slotting allowed	TESCORP manufactures and supplies a steel (AISI 4140) rotor for replacement service

TESCORP

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