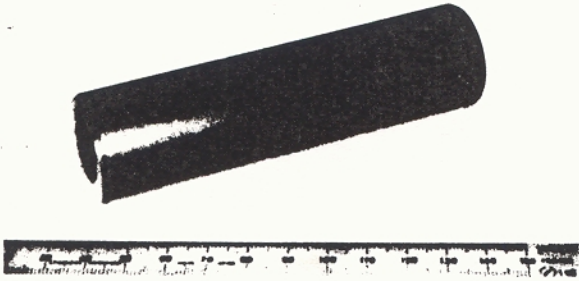


TD Process Application

TD Process
Application Data
No. - /

Die or Jig	Name	Sleeve for plunger pump					
	Category	Pump					
Material	Steel Code	316	TD	Coating	VC	Treating Condition	
	Heat Treatment	Carburizing		Thickness		Substrate Hardness	

Sketch



Work

Material	Sea water	
Dimension	Hardness	

Sketch of Work

How It Is Worked

Evaluation

304, Chromium plated: 1,000 hrs, life
 304, WC plasma sprayed: 700 hrs, life
 Al alloy, Anodized with: 1,200 hrs, life
 infusion of fluorocarbon
 TD processed: 15,000 hrs, life

Effect

Increase of life
 Reduction of maintenance cost
 Saving of lubricants
 Increase of working rate
 Others

Working Condition

Machine	
Load	
Stroke	
Speed	
Temperature	°C
Lubrication	
Clearance	