

# 50,000 TPY TDI Plant Liquidation

**Also Available: Complete 35,000 TPY TDA Plant for Relocation and Operation as a Complete Plant**

## Vessels, Tanks, Reactors

- 89239** - Diamine Storage Tank 55,600 Gallon Henders Boiler CS Vert ATM
- 89330** - Clean Oil Storage 5,200 Gallon Rubicon CS Vert 32 FV @ 100°F
- 89331** - Gauard Cond. K.O. Pot 23 Gallon Newarc Welding Vert 50 FV @ 190°F 1996.
- 89333** - Caustic Bulk Storage (25% NaOH) 31,300 Gallon Pittsburgh Desmoines CS Vert ATM 140°F
- 89332** - 10% Caustic Storage Tank 24,000 Gallon James Machine Works CS Vert ATM 150°F 2001
- 89334** - TDI Bulk Storage 51,160 Gallon Henders Boiler 304L SS Vert ATM @ 145°F 1992
- 89335** - "B" TDI Bulk Tank 31,300 Gallon KCS Industrial CS Vert ATM @ 145°F
- 89336** - Chlorine Exp. Chamber 45 Gallon Fabrication Services CS Vert 629 FV @ 400°F 1996
- 89337** - Fume Scrubber Header K.O. Pot 12 Gallon Rubicon CS/PTFE Lined Vert 30 psi FV @ AMB
- 89338** - Fume Scrubber Header Separator Pot 8 Gallon Bay Tank & Fab Nickel Vert 159 psi FV @150°F
- 89339** - Two - Cold Reactor 2,000 Gallon Superior Fab CS Vert 35 psi @ 300°F
- 89341** - Two - Intermediate Reactor 6,200 Gallon Vulcan Nickel Clad Shell, CS Jacket Vert. 35 psi FV @ 250°F Shell, 225 psi @ 250°F Jacket
- 89343** - Two - Hot Reactor #1 1,700 Gallon Superior Fab 316L SS Shell, CS Jacket Vert. 35 psi FV @ 250 Shell, 225 psi @ 450°F Jacket
- 89345** - Two - Hot Reactor #2 1,700 Gallon Superior Fab 316L SS Shell, CS Jacket Vert. 35 psi FV @ 250 Shell, 225 psi @ 450°F Jacket
- 89347** - Two - ODCB Storage Tank 24,000 Gallon Belmas CS Horiz ATM @ 225
- 89349** - Phosgene Buffer Tank 2,800 Gallon Nadler CS Vert 113 psi FV @ 180°F
- 89350** - Phosgene Dump Tank 3,600 Gallon Nadler CS Horiz 123 psi FV @ 180°F
- 89351** - Distillate Receiver 15,000 Gallon Buffalo Tank CS Horiz ATM
- 89352** - NH3/H2O 800 Gallon Tank Best CS Vert Shell 30 psi @ 250°F, Jacket 40 psi @ 325°F
- 89353** - Tails Blender 1,100 Gallon KCS Industrial CS Vert 15 psi FV @ 400°F
- 89354** - Two - TDI Test Tank 4,500 Gallon Nooter 304L SS Horiz ATM @ 175°F
- 89356** - Fume Scrubber Receiver 4,000 Gallon Bay Tank & Fab CS Vert 105 psi @ 175°F 2000
- 89357** - Conc. Col. Reflux Drum 900 Gallon Dynafab CS Horiz 66 psi FV @ 275°F 1985
- 89358** - Absorber Collecting Drum 425 Gallon KCS Industrial CS Horiz 204 psi @ 300°F
- 89359** - Concentration Column Seal Pot 700 Gallon Terre Haute Boiler CS Vert 11 psi @ 250°F
- 89360** - Dirty Oil Storage 1,500 Gallon Dedietch Glass Lines Vert 60 psi FV @ 400°F
- 89361** - Emergency Instr. Air Tank 360 Gallon Bay Tank & Boiler CS Horiz 142 psi FV @ 150°F 2000
- 89362** - ODCB Dryer 255 Gallon Vis CS Vert 60 psi @ 225°F 1999
- 89363** - Dilute Crude Storage Tank 6,500 Gallon Gulf States Fab 304L SS Clad Vert 48 psi @ 400°F
- 89364** - Upright Storage Poly Tank 1,000 Gallon Dart Plastics Poly Vert ATM
- 89365** - LUWA Evap. Refrig. Cond. 130 Gallon Bay Tank & Fab CS 125 psi FV @ 175°F 2000
- 89366** - Cond. Head Tank 145 Gallon RPM Engineering CS Vert ATM @ 200°F 2003
- 89367** - Atomizing Air In-Line Separator 75 Gallon Rubicon CS Horiz 150 psi FV @ 100°F
- 89368** - Air Horn Emergency Air Supply 145 Gallon Bay Tank & Boiler CS Horiz 178 psi FV @150°F 2001
- 89369** - TDI Emergency Generator Gas Tank 560 Gallon CS Horiz ATM
- 89370** - Scrubber Seal Box 2.075 Gallon Superior Fab CS Vert ATM @ 120°F 1992
- 89371** - L.P. Condensate Collection System Receiver RPM Engineering CS Vert 15 psi @ 350°F 2004
- 89372** - Phosgene Level Pot 700 Gallon Fabex CS Vert 150 psi FV @ 200°F 1995
- 89373** - Two - Reactor Condenser Catch Pot 140 Gallon Buffalo Tank CS Vert 144 psi FV @150°F
- 89375** - Two - Level Pot for PV-5494 8 Gallon RPM Engineering CS Vert ATM @ 100°F 2003
- 89369** - TDI Emergency Generator Gas Tank 560 Gallon CS Horiz ATM
- 89370** - Scrubber Seal Box 2.075 Gallon Superior Fab CS Vert ATM @ 120°F 1992

## Vessels, Tanks & Reactors (Con't)

- 89371** - L.P. Condensate Collection System Receiver RPM Engineering CS Vert 15 psi @ 350°F 2004
- 89372** - Phosgene Level Pot 700 Gallon Fabex CS Vert 150 psi FV @ 200°F 1995
- 89373** - Two - Reactor Condenser Catch Pot 140 Gallon Buffalo Tank CS Vert 144 psi FV @ 150°F
- 89375** - Two - Level Pot for PV-5494 8 Gallon RPM Engineering CS Vert ATM @ 100°F 2003
- 89377** - Rec. Column Overhead Dryer 745 Gallon CS Vert 150 psi FV @ 566°F
- 89378** - Anit-Entertaining Drum 890 Gallon Mosher Steel CS Vert 15 psi FV @ 175°F
- 89379** - Suction Catch Pot 340 Gallon Terre Haute Boiler CS Vert 35 psi FV @ 175°F
- 89380** - Discharge Catchpot 240 Gallon Fabex CS Vert 215 psi @ 350°F 1989
- 89381** - Methylene Chlorine Drain Tank 15,000 Gallon Mosher Steel CS Horiz 60 psi @ 150°F
- 89382** - Methylene Chlorine Head Tank 150 Gallon Terre Haute Boiler CS Vert 125 psi @ 150°F
- 89383** - Evaporator Preflash Drum 880 Gallon Mcabee 316L SS Vert 75 psi FV @ 450°F
- 89383** - Evaporator Cyclone 4,250 Gallon Superior Fab CS Vert 54 psi FV @ 450°F 1989
- 89385** - Luwa Feed Vessel 6,000 Gallon Fabex 316L SS Vert 30 psi @ 300°F 1994
- 89386** - Vacuum K.O. Pot 70 Gallon Gonzales CS Vert Shell 45 psi FV @ 280°F, Jacket FV @ 280°F

## Columns

- 89321** - Concentration Column 84" x 37'1.5" Wyatt CS Trayed Column. 15 psi @ 375°F
- 89322** - TDI Distillation Column 36" x 29' Fabex CS Packed Column. 156 FV @ 525°F
- 89323** - TDI Stripping Column 46" x 46'2" Cembell CS Column. 25 FV @ 650°F. 1995.
- 89324** - Entrainment Column 30" x 7'6" Belmas 304 SS Packed Column. 10 FV @ 650°F
- 89325** - Fume Scrubber 46" x 75'6" Top Superior CS Column. 30 psi @ 175°
- 89326** - LT-Column 24" x 41' Superior Fab 304L SS Packed Column. 185 psi @ 175°F. 1999.
- 89327**- Scrubber Sump Btm 48" x 11'4" Top 72' x 10'6" Nooter Hast C Column. 7 psi @ 250°F 1992
- 89328** - Btm 48" x 11'4" Top 72" x 10'6" Superior Fab CS Column. 7 psi @ 250°F

## Exchangers

- 89387** - Two - Catalyzer 1,000 sq ft Louisiana Heat Vert Heat Exchangers. CS Shell, Tubes and Heads, 150 psi @ 650°F, Shell, 300 psi @ 650°F Tube 1987, 1991
- 89389** - Two - Main Reactor Condenser 3,610 sq ft Ohmstede Vert Heat Exchangers. CS Shell, Tubes and Heads, 75 psi FV @ 450°F Shell, 35 FV @ 450°F Tube, 1995
- 89391** - Intermediate Reactor Condenser 1,520 sq ft Ohmstede Vert Heat Exchanger. CS Shell, Tubes and Heads, 75 psi FV @ 450°F Shell, 35 psi FV @ 450°F Tube. 2002
- 89392** - Intermediate Reactor Condenser 1,520 sq ft Ohmstede Vert Heat Exchanger. CS Shell, Tubes and Heads, 179 psi FV @ 450°F Shell, 175 psi FV @ 450°F. Tube, 1998
- 89393** - Two - Reactor Guard Condenser 640 sq ft Louisiana Heat Vert Heat Exchangers. CS Shell, Tubes and Heads, 75 psi FV @ 450°F Shell, 35 psi FV @ 450°F Tube, 1981
- 89395** - Concentration Column Reboiler 2,130 sq ft Ohmstede Vert Heat Exchanger. CS Shell, Tubes and Heads, 600 psi FV @ 500°F Shell, 50 psi FV @ 650°F Tube, 2000
- 89396** - Absorber Preheater Exchanger 456 sq ft Ohmstede Horiz Heat Exchanger. CS Shell, Tubes and Heads, 150 psi @ 450°F Shell, 150 psi @ 450°F Tube, 1989
- 89397** - Phosgene Absorber 1,090 sq ft Ohmstede Vert Heat Exchanger. CS Shell, Tubes and Heads, 75 psi FV @ 100°F Shell, 25 psi FV @ 100°F Tube, 1983
- 89398** - Recovery Column Reboiler 386 sq ft Thermex Vert Heat Exchanger. CS Shell, Tubes and Heads, 600 psi @ 600°F Shell, 25 psi FV @ 450°F Tube, 1985
- 89399** - Evaporator 240 sq ft Ohmstede Vert Heat Exchanger. CS Shell, Tubes and Heads, 75 psi FV @ 450°F Shell, 25 psi FV @ 450°F Tube, 1999

## Exchanger (Con't)

- 89400** - Evaporator Condenser 200 sq ft Downington Vert Heat Exchanger. CS Shell, Tubes and Heads, 75 psi FV @ 450°F Shell, 25 psi FV @ 450°F Tube
- 89401** - Stripping Column Reboiler 320 sq ft Downington Vert Heat Exchanger. CS Shell, Tubes and Heads, 225 psi @ 450°F Shell, 25 FV @ 450°F Tube
- 89402** - Stripping Column Condenser 300 sq ft Louisiana Heat Exchanger. CS Shell, Tubes and Heads, 75 psi @ 450°F Shell, 25 FV @ 450°F Tube
- 89403** - Stripping Column Refrigeration Condenser 125 sq ft Ohmstede Horiz Heat Exchanger. CS Shell, Tubes and Heads, 75 psi FV @ 450°F Shell, 25 psi FV @ 450°F Tube 1994
- 89404** - TDI Project Condenser With Expansion Joint 200 sq ft Ohmstede Vert Heat Exchanger. CS Shell, 304L SS Tubes and Heads, 75 psi FV @ 450°F Shell, 25 psi FV @ 450°F Tube, 1988
- 89405** - Two - Recovery Column Preheater 197 sq ft Louisiana Heat CS Horiz Heat Exchangers. 150 @ 450°F Shell, 25 psi FV @ 450°F Tube, 1989
- 89407** - Concentration Column Vent Gas Cooler 89 sq ft Metallics Vert Heat Exchanger. CS Shell, Graphite Tubes and Heads, 75 psi @ 340°F Shell, 75 psi @ 340°F Tube, 1995
- 89409** - Chlorine Vaporizer 256 sq ft Ohmstede Horiz Heat Exchanger. CS Shell and Heads, Monel 400 Tubes, 400 psi FV @ 400°F Shell, 400 psi FV @ 400°F Tube, 1999
- 89410** - ODCB Cooler 363 sq ft Ohmstede Horiz Heat Exchanger. CS Shell, Tubes and Heads. 150 psi FV @ 450°F Shell, 150 psi FV @ 450°F Tube, 2000
- 89411** - Two - Condensate Cooler 365 sq ft Tranter Vert Heat Exchangers. CS Frame Shell, 304 SS Plates TubeS and HeadS, 100 psi @ 250°F Shell, 100 psi @ 250°F Tube, 1995
- 89413** - Condensate Collection Condenser 85 sq ft Ohmstede Heat Exchanger. CS Shell, Tubes and Heads. 75 psi @ 450°F, Shell 75 psi FV @ 450°F Tube, 2004
- 89414** - Gass Cooler 84 sq ft Industrial Process Horiz Heat Exchanger. CS Shell, Hast C Tubes, 316L SS Heads, 75 psi FV @ 311°F Shell, 75 psi FV @ 311°F Tube, 2001
- 89417** - Partial Condenser 3,000 sq ft Downington Vert Heat Exchanger. CS Shell, Tubes and Heads, 75 psi FV @ 150°F Shell, 75 psi FV @ 175°F Tube
- 89418** - AS-551 Condenser 600 sq ft Downington Vert Heat Exchanger. 304L SS Tubes and Heads, 75 psi FV @ 100°F Shell, 75 psi FV @ 100°F Tube
- 89419** - AS-551 Reboiler 185 sq ft Ohmstede (Bundle), Cembel (Shell) Horiz Heat Exchanger. 316L SS Shell, 304L SS Tubes and Heads
- 89420** - Phosgene/HCL Exchanger 847 sq ft Ohmstede Horiz Heat Exchanger. CS Shell, Tube and Heads, 150 psi @ 500°F Shell, 1994
- 89421** - Methylene Chlorine Guard Condenser 50 sq ft Downington Vert Heat Exchanger. CS Shell, Tubes and Heads
- 89422** - Crude TDI Evaporator With Expansion Joint 900 sq ft Ohmstede Vert Heat Exchanger. CS Shell, Inconel Tubes, 225 psi @ 450°F Shell, 20 psi FV @ 450°F Tube, 1987
- 89423** - Crude TDI Evaporator With Expansion Joint 900 sq ft Albach Cembell Vert Heat Exchanger. CS Shell, Inconel Tubes, 225 psi @ 450°F Shell, 20 psi FV @ 450°F Tube, 1996
- 89424** - TDI Cooler Exchanger 63 sq ft Ohmstede Horiz Heat Exchanger. 304 SS Clad Shell, 304 SS Tubes and Heads, 100 psi @ 125°F Shell, 100 psi @ 125°F Tube, 1981

## Air Fin Coolers

- 89425** - Two - Hot Reactor Air Condenser 269 Bare sq ft, 5,600 Ext. sq ft Hudson CS Air Fin Coolers. 35 psi FV @ 350°F
- 89427** - Two - Conc. Col. Condenser 1.987 Bare sq ft, 41,728 Ext. sq ft Gea Rainey CS Air Fin Coolers. 40 psi FV @ 382°F 1992
- 89429** - Phosgene/HCL Compressor 842 Bare sq ft, 17,700 Ext sq ft Gea Rainey CS Air Fin Cooler 89 psi @ 350°F 1999

## Pumps

### Positive Displacement Pumps

- 89431** - Two - West Luwa Tar Pump 5 HP 1,750 RPM 480 Volt CS Viking Gear Pumps
- 89433** - Tails Blender Air Dimensions Meter Pump
- 89434** - Batch Still Draw Off .75 HP 1,150 RPM Hast C Viking Gear Pump
- 89435** - Dirty Oil CS Viking Gear Pump
- 89436** - Two - Chemical Addition .33 HP Durcometer Meter Pumps
- 89438** - Two - Primary Oil Pump 1 HP 1,745 HP 460 Volt CS Roper Gear Pumps
- 89439** - Two - Auxiliary Oil Pump 1 HP 1,745 HP 460 Volt CS Roper Gear Pumps

### Centrifugal Pumps

- 89442** - Two - Condensate Pump 10 HP 3,500 RPM 440 Volt CS Durco
- 89444** - Two - ODCB Feed Pump 10 HP 3,492 RPM 440 Volt CS Durco
- 89446** - Two - Diamine Pump 5 HP 3,450 RPM 440 Volt CS Durco
- 89448** - Diamine Pump Spare
- 89449** - Two - Phosgene Pump 15 HP 1,750 RPM 440 Volt
- 89451** - ODCB Flushing Pump 10 HP 3,500 RPM 440 Volt CS
- 89452** - Two - CFE Feed Pump 7.5 HP 3,500 RPM 440 Volt Hast C Durco
- 89454** - Recovery Column Feed 15 HP 3,600 RPM 440 Volt CS Durco
- 89455** - Spare To PP-506A & PP-521 15 HP 3,600 RPM 440 Volt CS Durco Centrifugal Pump
- 89456** - Two - Evaporator Feed 7.5 HP 3,500 RPM 440 Volt CS Durco
- 89458** - Two - Stripping Column Feed Pumps 5 HP 3,500 RPM 230/460 Volt CS Durco
- 89460** - Product Transfer Pump (Steam Traced) 5 HP 1,750 RPM 230/460 316 SS Kontro
- 89461** - Two - Caustic Circulating Pumps 15 HP 3,525 RPM 460 Volt CS Durco
- 89463** - Two - Conc. Col. Reflux Pump 20 HP 3,600 RPM 440 Volt CS Durco
- 89466** - Reactor Drain Pump
- 89467** - Condensate Pump for R-1
- 89468** - Condensate Pump for R-2
- 89469** - Chlorine Vaporizer Condensate Pump
- 89470** - Two - Refrig. Eq. Cooling Water Circ. 100 HP 1,800 RPM 440 Volt CS Allis Chalmers
- 89472** - HCL Loading Pump 15 HP 1,750 RPM 440 Volt CS Durco
- 89473** - Two - Safety Shower Pump 10 HP 3,500 RPM 460 Volt CS Durco
- 89475** - Two - Recirculation Pump 25 HP 1,770 RPM 460 Volt 316 SS Durco
- 89477** - Two - BFW Pump 15 HP 3,525 RPM CS KSB
- 89479** - Two - LP Condensate Collection Unit Pump 10 HP 3,500 RPM 440 Volt CS Durco
- 89481** - Effluent Pump 3 HP 1,755 RPM 230/460 Volt CS Durco
- 89482** - Demin Water Pump 20 HP 3,500 RPM 460 Volt CS Goulds
- 89484** - Phosgene Feed Pump 1 HP 3,550 RPM 460 Volt 316 SS Sundyne Canned Pump
- 89485** - Coolant Pump for PV-5493
- 89486** - Coolant Pump for PV-5494
- 89487** - Fume Scrubber Header Neut. Pot. Circ. 5 HP 1,800 RPM 460 Volt CS
- 89488** - Primary Scrubber Circ. Pump 40 HP 1,775 RPM 460 Volt 316 SS Durco
- 89489** - Two - No. 2 Scrubber Circ Pump 7.7 HP 3,550 RPM 230/460 CS Durco
- 89491** - Primary Scrubber Circ Pump 40 HP 1,775 RPM 460 RPM 316 SS Durco
- 89492** - Two - Emergency Caustic Pump 40 HP 1,780 RPM 460 Volt CS Durco
- 89494** - 10% Caustic Transfer Pump 5 HP 3,500 RPM 440 Volt CS Durco
- 89496** - Two - HCL Loading Pump 15 HP 3,500 RPM 440 Volt Karbate Union Carbide
- 89498** - Two - Low Temp Coolant Circulating Pump 10 HP 3,500 RPM 440 Volt SS Durco
- 89500** - Methylene Chloride Loading Pump 5 HP 3,500 RPM 440 Volt CS Durco
- 89501** - Two - Conc. Column Feed Pump 7.5 HP 3,500 RPM 440 Volt CS Durco
- 89503** - Two - Caustic Transfer & Dilution Pump 5 HP 3,500 RPM 440 Volt CS Durco
- 89505** - Toluene Stg. Dike Sump Pump
- 89506** - TDI Loading Pump 10 HP 3,550 460 Volt 316 SS

## Filters - Strainers

- 89507 - Crude TDI Filter CS Andale Duplex Strainer
- 89508 - Two - In-Line Strainer 10 GPM CS Cuno In-Line Strainers 75 psi @ 250°F
- 89510 - Two - In Line Strainer 3 GPM CS Cuno In-Line Strainers 75 psi @ 375°F
- 89512 - Two - In-Line Strainer 24 GPM CS Cuno In-Line Strainers 75 psi @ 250°F
- 89514 - Two - In-Line Strainer 65 GPM CS Cuno In-Line Strainers 75 psi @ 375°F
- 89516 - Two - Luwa Bottoms Suction Strainer CS VIS In-Line Strainers 185 psi @ 250°F
- 89518 - Strainer 316 SS Filter Specialist Basket Strainer 20 psi @ 150°F
- 89519 - Two - Quench Scrubber Filters 350 GPM CS Filter Specialist Cartridge Filters 150 psi @ 250°F
- 89521 - Two - Carbon Absorption Filters 15 GPM
- 89523 - Rx Discharge Strainer 304L SS VIS Filter 152 psi FV @ 450°F
- 89524 - TDI Loading Filter Mfg by Filter Specialist

## Blowers - Fans - Vacuum Pumps

- 89525 - Spare CFE Vacuum Pump 500 CFM C.I. Beach-Russ Rotary Pump
- 89526 - CFE Vacuum Pump 500 CFM C.I. Beach-Russ Rotary Pump
- 89527 - Stripping Column Vacuum Pump 175 CFM C.I. Beach-Russ Rotary Pump
- 89528 - TDI Still Vacuum Pump 7.5 HP 1,750 RPM 440 Volt C.I. Beach-Russ Rotary Pump
- 89529 - Common Spare to PV-526 7.5 HP 1,750 RPM 440 Volt C.I. Beach-Russ Rotary Pump
- 89530 - Evaporator Vac. Pump 7.5 HP 1,750 RPM 440 Volt C.I. Beach-Russ Rotary Pump
- 89531 - Spare to PV-525A/B 7.5 HP 1,750 RPM 440 Volt C.I. Beach-Russ Rotary Pump
- 89532 - Luwa Dry Vacuum Pump 20 KW 400 ACFM SIHI Dry Vacuum Pump
- 89533 - Conc. Col. Vacuum Pump 500 CFM C.I. Beach-Russ Rotary Vacuum Pump

## Miscellaneous

- 89534 - TDI Evaporator 20 HP 900 RPM 230/460 Volt Luwa Evaporator Hast C Shell, CS Jacket, FV Shell, 200 psi @ 400°F Jacket
- 89535 - Phosgene Compressor 100 HP @ 1,200 RPM 75 psi @ 350°F Ingersoll Rand Reciprocating Compressor
- 89537 - Medium Temp Refrigeration Skid R-22 Carrier Refrigeration Skid
- 89538 - Low Temp Refrigeration Skid R-12 Carrier Refrigeration Skid
- 89539 - Refrigeration Cooling Tower 2,600 GPM Marley Cooling tower 1984
- 89540 - Refrigeration Cooling Tower Marley Cooling Tower 1995

**Please feel free to contact Louisiana Chemical Equipment Co., L.P. for a price quote or to speak to our Sales Professionals**

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