

SUCCESS STORY

INDUSTRY - PULP & PAPER
APPLICATION - REFINER

NEW MOTOR COST: \$548,301

MODIFICATION COST: \$73,899

TOTAL SAVINGS = \$473,301

LOUIS ALLIS Saves Paper Mill Almost \$500,000 by Modifying Existing Spare Motor

CHALLENGE

This paper mill is running four 2000 HP synchronous refiner motors manufactured by GE. The motors are vitally important and as such the mill requires a spare motor on hand in the event of any failures. Because of the critical nature of the spare needed they contacted LOUIS ALLIS for a solution. Through conversations with the mill it was discovered that they once had a spare but it was dimensionally different than the motors in service. After receiving information on the motors, LOUIS ALLIS found that the mill had given the spare motor to a local repair vendor. LOUIS ALLIS flew to the mill site to look at the existing application and spare motor. LOUIS ALLIS concluded that, with modifications, the once discarded spare motor could be used as the bolt-in spare motor the mill required. This unique solution **saves the customer** nearly **HALF A MILLION DOLLARS** by not having to purchase a new spare motor.

SOLUTION

LOUIS ALLIS proposed modifying the spare motor by machining a new shaft to match the existing GE output shaft. The base rails (motor feet) will be re-positioned to obtain proper shaft height. The enclosure will be converted from Open Drip to WP11. Provisions will be made for air filters. By utilizing an essentially scrapped spare motor, **the mill saved \$474,301.00.**



Before Modifications to Motor



After Modifications to Motor

ALABAMA

Birmingham, 205/251-3231
Brewton, 251/867-6363
Decatur, 256/355-0492
Demopolis, 334/287-0611
Dothan, 334/794-2747
Fairfield, 205/744-1949
Gadsden, 256/543-3441
Huntsville, 256/858-5020
Mobile, 251/661-7800
Montroseville, 251/743-4814
Montgomery, 334/262-5786
Muscle Shoals, 256/383-0862
Pennington, 205/654-2975
Tuscaloosa, 205/759-4261

Hydraulic Supply Company

Mobile, 251/415-5468

ALASKA

Anchorage, 907/563-5565
Fairbanks, 907/452-4488

ARIZONA

Flagstaff, 928/526-3296
Phoenix, 602/269-2331
Tucson, 520/982-6800
Yuma, 928/782-3919

General Tool & Supply

Morenci, 928/865-6294
Tempe, 480/829-3835
Tucson, 520/624-6656

ARKANSAS

Blytheville, 870/763-6880
Ft. Smith, 479/646-6868
Jonesboro, 870/974-7100
Little Rock, 501/568-3116
Pine Bluff, 870/534-1177
Russellville, 479/968-3422
Springdale, 479/556-6905
Stuttgart, 870/672-4785
Texarkana, 870/774-2547

Missouri Power Transmission

Blytheville, 870/762-1131
Conway, 501/450-9333
Fort Smith, 479/783-5300
Hot Springs, 501/262-1133
Springdale, 479/751-2844

CALIFORNIA

Anaheim, 714/780-1791
Anaheim, 657/208-5650
Apple Valley, 760/810-4350
Bakersfield, 661/324-6741
Chico, 530/961-9950
Concord, 925/689-9880
Fontana, 909/357-9898
Fresno, 559/237-9131
Gardena, 310/327-5070
Gilroy, 408/848-3099
Hayward, 510/266-0200
Lodi, 209/334-2530
Los Angeles, 323/728-0281
Modesto, 209/529-0261
Oxnard, 805/487-4877
Palmdale, 661/948-8436
Sacramento, 916/455-1990
Salinas, 831/758-3345
San Diego, 858/565-0092
San Fernando, 818/365-0300
Santa Clara, 408/727-6408
Stockton, 209/943-2801
Turlock, 209/549-8155
Ukiah, 707/462-9766
Victorville, 760/561-7270
Visalia, 559/651-0111

Moss Rubber

Banica, 707/746-1600
San Francisco, 650/871-1010

Power Industries

Napa, 707/252-7333
Santa Rosa, 707/545-7904

COLORADO

Denver, 303/399-1500
Ft. Morgan, 970/867-1045
Greeley, 970/336-6481
Pueblo, 719/546-0500

CONNECTICUT

E. Windsor, 860/292-6091
Wallingford, 203/294-5427

DELAWARE

Delmar, 302/462-3130

FLORIDA

Bartow, 863/533-0574

Clewiston, 863/983-5500
Ft. Pierce, 772/464-5537
Jacksonville, 904/757-5080
Miami/Miramar, 954/704-8565
Orlando, 407/298-0380
Panama City, 850/769-2492
Pensacola, 850/433-0021
Tampa, 813/626-1191

Hydraulic Supply Company

Belle Glade, 561/996-4431
Fort Lauderdale, 954/463-6460
Fort Myers, 239/274-9229
Florida City, 305/248-3713
Jacksonville, 904/783-4401
Lakeland, 863/665-3589
Medley, 305/249-1877
Miami, 305/888-2415
Naples, 239/435-1642
Orlando, 407/295-4537
Pompano Beach, 954/973-5900
Riviera Beach, 561/863-6258
Tampa, 813/621-0790

Miller Industrial Solutions

Cocoa, 321/632-4091
Daytona Beach, 386/255-4509
Ft. Lauderdale, 954/491-6222
Ft. Myers, 239/936-6264
Ft. Pierce, 772/464-0490
Jacksonville, 904/737-9919
Lake City, 386/755-4330
Lakeland, 863/701-9500
Miami, 305/953-1724
Ocala, 352/732-4141
Orlando, 407/849-6000
Perry, 850/584-2161
Tampa, 813/247-7455
West Palm Beach, 561/863-5111

Braas

Oldsmar, 952/937-8902

GEORGIA

Albany, 229/888-0910
Atlanta, 770/948-5300
Augusta, 706/724-7401
Brunswick, 912/265-0178
Cartersville, 770/387-0131
Columbus, 706/324-0313
Dalton, 706/272-3900
Gainesville, 770/532-4268
LaGrange, 706/883-7995
Macon, 478/784-0500
Norcross, 770/441-9909
Savannah, 912/236-1591
Valdosta, 229/244-4548

Hydraulic Supply Company

Augusta, 706/790-0628
Columbus, 706/322-0707
Forest Park, 404/608-0995
Marietta, 678/398-6673
Mableton, 678/920-9227
Pooler, 912/965-6771

IDAHO

Caldwell, 208/377-4334
Pocatello, 208/233-3894

General Tool & Supply

Boise, 503/226-3411
Lewiston, 208/798-3239

ILLINOIS

Addison, 630/627-4605
Bloomington, 309/827-0436
Bourbonnais, 815/939-4466
Champaign, 217/352-8550
Chicago S., 312/850-3700
Chicago Hts., 708/754-6300
Countryside, 708/354-5900
Danville, 217/442-8800
Decatur, 217/877-3400
East Peoria, 309/694-6214
Elgin, 847/697-3100
Elk Grove Vill., 847/616-4001
Lasalle, 815/223-7800
Machesney Pk., 815/654-1154
Mattton, 217/235-7151
Montgomery, 630/897-8652
Mt. Vernon, 618/241-9500
Quincy, 847/622-6168
Rockdale, 815/725-6720
Rockford, 815/874-9461
Springfield, 217/523-8337
Waukegan, 847/623-8770
W. Chicago, 630/231-4453
Wheeling, 847/459-7727

Braas

Elgin, 874/760-6630

INDIANA

Columbus, 812/379-2329
Crawfordsville, 765/362-7227
Elkhart, 574/293-4343
Evansville, 812/423-7701
Ft. Wayne, 260/422-6451
Gary, 219/938-9200
Hammond N., 219/931-3010
Indianapolis, 317/248-2100
Kendallville, 260/347-4135
Kokomo, 765/453-2550
Lafayette, 765/448-6600
LaPorte, 219/362-8526
Muncie, 765/288-4474
Richmond, 765/966-3528
South Bend, 574/291-0770
Terre Haute, 812/232-8344
Warsaw, 574/268-0181

IOWA

Ankeny, 515/965-1065
Cedar Rapids, 319/362-9940
Davenport, 563/391-8888
Dubuque, 563/556-3022
Ft. Dodge, 515/573-5753
Ft. Madison, 319/372-6611
Muscatine, 563/263-3452
Ottumwa, 641/682-5401
Sioux City, 712/258-0595
Twin Falls, 208/944-3890
Waterloo, 319/235-7167

KANSAS

Dodge City, 620/227-6080
Salina, 785/826-9970
Topeka, 785/233-6500
Wichita, 316/942-6700

Hub Supply

Wichita, 316/265-9608

KENTUCKY

Bowling Green, 270/842-6195
Carrollton, 502/732-8114
Lexington, 859/873-7212
London, 606/878-6312
Louisville, 502/964-4804
Owensboro, 270/926-0330
Paducah, 270/443-6291

LOUISIANA

Alexandria, 318/445-7446
Baton Rouge, 225/356-6131
DeRidder, 337/348-5100
Gonzales, 225/644-6568
Harahan, 504/733-5400
Harahan, 985/871-8000
Houma-Cenac, 985/873-9881
Ruston, 318/255-6721
Shreveport, 318/687-2110
West Monroe, 318/387-6875

Drago Supply

Geismar, 225/673-6403
Lake Charles, 337/882-0392

Hydraulic Supply Company

Harvey, 504/362-5901

Voorhies Supply

Harvey, 504/340-2271
Houma, 985/868-4554
Lafayette, 337/235-7545
New Iberia, 337/364-2431

MAINE

Bangor, 207/942-5571
Hinkley, 207/942-5571
Portland, 207/828-4727
Portland, 207/228-1863
Presque Isle, 207/764-7270
Rumford, 207/364-7933
Union, 207/785-4666

MARYLAND

Baltimore, 410/687-2700

MASSACHUSETTS

Beverly, 781/376-5850
Boston, 781/376-5850
Marlborough, 508/229-2688

MICHIGAN

Escanaba, 906/786-8110
Grand Rapids, 616/791-9770
Jackson, 517/788-6700
Kalamazoo, 269/381-1540
Kingsford, 906/774-1100
Lansing, 517/322-0540
Livonia, 734/261-4920
Ludington, 231/845-6256
Madison Hts, 248/583-8600

Saginaw, 989/771-2270
Taylor, 734/946-3788
Traverse City, 231/929-0074

D.P. Brown

Grand Rapids, 616/656-0500
Saginaw, 989/771-0200

MINNESOTA

Duluth, 218/628-2825
Eden Prairie, 952/828-0800
Mankato, 507/345-7856
Marshall, 507/532-0198
Mountain Iron, 218/749-8663
St. Paul, 651/631-2430
Waite Park, 320/656-1111

Braas

Eden Prairie, 952/937-8902

MISSISSIPPI

Columbus, 662/328-8041
Greenada, 662/226-6800
Jackson, 601/373-3383
Laurel, 601/649-1321
McCombs, 601/684-3666
Meridian, 601/482-0433
Tupelo, 662/844-2119

Lewis Supply

Corinth, 662/287-6107

MISSOURI

Cape Girardeau, 573/519-3210
Columbia, 573/814-0654
Joplin, 417/7781-0010
Kansas City, 816/587-8844
Sedalia, 660/826-5661
Springfield, 417/862-5300
St. Louis, 314/770-2600

Missouri Power Transmission

Cape Girardeau, 573/335-5546
Columbia, 573/474-1446
Rolla, 573/364-8009
Springfield, 417/869-4014
St. Louis, 314/421-0919

MONTANA

Billings, 406/252-6641
Missoula, 406/542-6692
Helena, 406/449-6318

NEBRASKA

Columbus, 402/562-7406
Grand Island, 308/381-2279
Lincoln, 402/467-1153
Omaha, 402/344-7323

NEVADA

Las Vegas, 702/651-9490
Reno, 775/355-0555

NEW HAMPSHIRE

Manchester, 603/641-5649

NEW JERSEY

Kenilworth, 908/241-1047
New Brunswick, 732/828-8711

NEW MEXICO

Albuquerque, 505/884-2606

NEW YORK

Albany, 518/438-1771
Buffalo, 716/743-0691
Elmira, 607/734-2158
New York City, 914/235-0029
Plattsburgh, 518/438-1771
Rochester, 585/247-1121
Schenectady-GE, 518/438-1771
Syracuse, 315/452-1775

NORTH CAROLINA

Asheville, 828/684-3180
Charlotte, 704/588-4100
Greensboro, 336/993-2974
Greenville, 252/752-6400
Hickory, 828/324-5548
Kernersville, 336/993-2974
Lumberton, 910/738-4221
Raleigh, 919/779-7400
Rocky Mount, 252/972-3096
Wilmington, 910/343-1311

Saals

Salisbury, 704/639-0207

Hydraulic Supply Company

Charlotte, 704/319-9685
Greensboro, 336/544-8502

NORTH DAKOTA

Bismarck, 701/223-5901
Dickinson, 701/225-9221
Fargo, 701/234-9015
Fargo, 701/492-0444
Grand Forks, 701/772-7177

OHIO

Canton, 330/305-1991
Chillicothe, 740/775-1226
Cincinnati, 513/533-4900
Cleveland, 216/398-2200
Columbus, 614/444-3030
Dayton, 937/236-7711
Defiance, 419/784-4013
Findlay, 419/424-1003
Lancaster, 740/687-0405
Marion, 937/644-1613
Marysville, 937/644-1613
Piqua, 937/778-1905
Sandusky, 419/625-3432
Toledo, 419/726-7422

DST

Cincinnati, 513/489-3588
Dayton, 937/461-4550
Kilbuck, 432/362-7315
Pasadena, 281/542-1660
San Antonio, 210/662-6772
Sherman, 903/892-4646
Temple, 254/773-4224
Tyler, 903/592-0873
Victoria, 361/576-0015
Waco, 254/772-1119
Weslaco, 956/546-5191
Wichita Falls, 940/766-3328

Drago Supply

Houston, 281/471-7026
Port Arthur, 409/983-4911

Hub Supply

Amarillo, 806/467-4784
Ft. Worth, 682/253-4784

Missouri Power Transmission

Okahoma City, 405/236-0594
Stillwater, 405/372-6605

OREGON

Albany, 541/926-5831
Eugene, 541/342-5946
Medford, 541/732-1552
Portland, 503/460-0403
Portland, 503/239-5021
Roseburg, 541/784-9003
Salem, 503/585-7411

General Tool & Supply

Portland, 503/226-3411

PENNSYLVANIA

Allentown, 610/366-9034
Altoona, 814/941-8330
Lancaster, 717/393-3901
Monroeville, 412/856-8034
New Castle, 724/654-6411
Philadelphia, 610/616-8000
Pittsburgh, 412/787-1990
Reading, 610/376-7163
Williamsport, 570/322-2439
York, 717/848-1102

PUERTO RICO

Toa Baja, 787/251-1550

RHODE ISLAND

Warwick, 401/736-0515

SOUTH CAROLINA

West Columbia, 803/796-1071
Florence, 843/395-0095
Greenville, 864/288-7503
Hanahan, 843/554-9090
Spartanburg, 864/578-1470

Hydraulic Supply Company

Columbia, 803/567-4098
Greenville, 864/249-7650

LEAT

Greer,