



# MAIN MARINE INDUSTRIAL SERVICES

1714 BROADWAY • HOUSTON, TEXAS 77012 USA

PH: (713) 645-3553 • FAX: (713) 643-6691 • E-MAIL: [mainmarineinc@northstarind.net](mailto:mainmarineinc@northstarind.net)

## **“YOUR ONE STOP SERVICE CENTER”** **SPECIALIZING IN POWER AND ELECTRICAL SYSTEMS**

### **SERVICES INCLUDE:**

#### **DECK SERVICES**

- STEEL FABRICATION & REPAIRS
- WINDLASS AND WINCH REPAIRS
- PUMP AND MOTOR REPAIRS
- LIFE BOAT AND DAVIT TESTS
- LOAD TESTS
- CARGO HOLD CLEANING
- HYDRAULIC CYLINDERS

**LIEBHERR**



**CATERPILLAR®**

**Rexroth**  
Bosch Group



#### **ENGINE ROOM SERVICES**

- ELECTRIC MOTOR AND GENERATOR SERVICE
- MAIN AND AUX. ENGINE SERVICE
- PUMP REPAIRS
- PIPE REPAIRS
- INSTRUMENT CALIBRATION
- SPARE PARTS RECONDITIONING



Mercedes-Benz



**SULZER**



**FOR ALL YOUR VESSEL REPAIR NEEDS  
CALL US AT  
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## SHOP CAPABILITIES

**Pick up and Delivery:**  
**Lifting Capabilities:**

24Hr/Day 7Days/Week  
Multiple Cranes up to 20 Tons

### FABRICATION SHOP

- 300 Ton CNC Amada press brake.
- 5/8" x 10' squaring shear.
- 1/2" x 10' Bertsch plate roll.
- 75 Ton Iron Worker.
- Angle/Flat/Square/Tube roll.
- CNC Oxy Fuel flame cutters.
- 200AMP CNC Plasma cutters.
- ABS Certified welders & Procedures.
- MIG/TIG/Stick welding.
- Mobile welding machines up to 800Amp.
- Mobile generators.
- Mobile compressors.

### VALVE REPAIR

- Repairs per API 621 specifications.
- Welding procedures per ASME section IX and B31.3.
- ABS Certified welders per ASME section IX or higher.
- Hardness Testers.
- Dye-Penetrant and Magnetic Particle tests.
- Ultra-sonic thickness gauging.
- 5,000 PSI valve test stand.

### ELECTRIC MOTOR/PUMP SHOP

**Maximum Motor Capacities:**

- A/C – 7,000HP; 4160V
- DC – 1200HP; 500V

**Burnout Oven:**

- 15' x 12'; Automatic temp. control, Sprinkler cooled w/digital temp. recorder.

**Coil Winding:**

- Enclosed A/C cooled winding room.
- Form or Random wound coils.

**Dynamic Balancing:**

- Schenck computer controlled system; 7500lb max cap.
- Balance report per ISO 9004 standards.

**Dynamic Load Tester:**

- Schenck Pegasus Dynamometer; 1000HP, 1,000 ft-lb of Torque.

### MACHINE SHOP

**Horizontal Boring Machine:**

- (4") 40" x 48" table, outboard support, 6000 lb capacity.

**Vertical Boring Machine:**

- 54" diameter, 5 position turret head tool holder, boring bar, side head, 6-5/8" sq. tool post.

**Horizontal Lathes:**

- 44" by 20'; 26" by 15'; 22" by 15'; 18" by 8' long.
- 28" x 12' tapering lathe.

**Bridge Mills:**

- 20" x 80" automatic bridge mill.
- 11" x 58" bridge mill.
- 10" x 49" bridge mill.

**Radial Arm Drill:**

- 7' radial arm drill.

**Key Cutter:**

- 30" inside stroke key cutter.

**Heat Treating Ovens.**

**Grinding Machine:**

- 25" x 15' grinding capability.

### HYDRAULIC CYLINDER REPAIR

- Overhaul hydraulic cylinders.
- Repair and grind shafts.
- Fabricate and install packing.
- Hone cylinder barrel.
- Pressure test units up to 6000psi.