



[www.PetroRigs.com](http://www.PetroRigs.com)



[www.PetroRigs.com](http://www.PetroRigs.com)

A photograph of industrial machinery on an oil rig. The main focus is a large blue machine with a white tarp partially covering it. To the right, there are several large blue cylindrical tanks and pipes. A worker in an orange safety vest is visible on the right side. The background shows the complex steel structure of the rig under a cloudy sky. A watermark is overlaid on the image.

[www.PetroRigs.com](http://www.PetroRigs.com)

A photograph of a blue industrial machine, likely a separator or filter, on an offshore rig. The machine is painted blue and has a large vertical cylindrical component on the right side. The cylindrical component has two yellow-handled valves. To the left of the cylinder is a control panel with a yellow label and a circular gauge. The machine is mounted on a blue metal frame. In the background, there are other blue structures and a yellow spiral staircase. A person wearing an orange safety vest is partially visible on the right side of the image.

[www.PetroRigs.com](http://www.PetroRigs.com)

The image shows four large, blue industrial cranes, likely used for offshore oil and gas operations, mounted on a barge. The cranes are arranged in a row from left to right. Each crane has a complex structure with multiple joints and a long, articulated arm. The barge is on a body of water, and the background features a clear blue sky, some trees, and a building. A white banner with the text 'www.PetroRigs.com' is overlaid in the center of the image. The cranes are mounted on a dark brown metal structure, and there are some yellow and blue markings on the barge's surface.

[www.PetroRigs.com](http://www.PetroRigs.com)



[www.PetroRigs.com](http://www.PetroRigs.com)

A row of blue industrial generators, likely for power generation in an offshore or marine setting, is shown on a barge. The generators are mounted on a metal frame and feature various pipes, valves, and components. The scene is set outdoors under a clear blue sky, with a body of water and a red building visible in the background. The website address www.PetroRigs.com is overlaid in white text across the center of the image.

[www.PetroRigs.com](http://www.PetroRigs.com)



[www.PetroRigs.com](http://www.PetroRigs.com)





[www.PetroRigs.com](http://www.PetroRigs.com)



[www.PetroRigs.com](http://www.PetroRigs.com)

A close-up photograph of a blue industrial machine. The machine has a large, rectangular opening with a metal grate floor. A central shaft or pipe is visible inside the opening. The machine is painted blue and shows signs of wear and rust. The background is dark and indistinct.

[www.PetroRigs.com](http://www.PetroRigs.com)

2

# NATIONAL-OILWELL POWER SLUSH PUMP

MODEL W9280 SERIAL NO. 110991  
MAXIMUM LINER SIZE 0.375 STROKE 1.5  
RATED MAXIMUM INPUT 1200 HP AT 1000 RPM  
RATED MAXIMUM OUTPUT 1200 HP AT 1000 RPM  
GEAR RATIO 2.5 HYDROSTATIC TEST 11250 PSI  
FLOID END SERIAL NO.                     



[www.PetroRigs.com](http://www.PetroRigs.com)

LINE	LINE SIZE	AT	SPM	MAX. HP
1	0.375	1000	1000	1200
2	0.375	1000	1000	1200
3	0.375	1000	1000	1200
4	0.375	1000	1000	1200
5	0.375	1000	1000	1200
6	0.375	1000	1000	1200
7	0.375	1000	1000	1200
8	0.375	1000	1000	1200
9	0.375	1000	1000	1200
10	0.375	1000	1000	1200

### LUBRICATION INSTRUCTIONS

CRANKCASE USE AN EXTREME PRESSURE GEAR OIL  
AIR TEMPERATURE 50°F TO 135°F INDUSTRIAL EP GEAR OIL  
20°F TO 100°F AGMA #7 EP OR ISO 460 EP  
20°F TO 60°F AGMA #6 EP OR ISO 520 EP  
AGMA #2 EP OR ISO 68 EP

CRANKCASE OIL CAPACITY 180 UNITED STATES GALLONS  
OIL MUST POUR FREELY AT MINIMUM OPERATING TEMPERATURE. CHANGE OIL AS FREQUENTLY AS REQUIRED TO MAINTAIN A SLUDGE FREE OIL OF PROPER VISCOSITY. CHECK OIL LEVEL PERIODICALLY WITH PUMP AT REST. ROTATE IDLE PUMP OCCASIONALLY TO AVOID CORROSION.

MANUFACTURED UNDER ONE OR MORE UNITED STATES PATENTS  
3,037,440, 3,037,450, 3,238,000

NATIONAL OILWELL, HOUSTON, TEXAS, U.S.A.



[www.PetroRigs.com](http://www.PetroRigs.com)

A close-up, high-angle shot of a large, blue-painted industrial valve assembly on an offshore platform. The valve has multiple ports and a central handle. In the background, a large white ship is docked at a pier, and the ocean is visible. The scene is brightly lit, suggesting a sunny day.

[www.PetroRigs.com](http://www.PetroRigs.com)

[www.PetroRigs.com](http://www.PetroRigs.com)



**STRALEN  
REFIT**

**MULTISHIP**

[www.PetroRigs.com](http://www.PetroRigs.com)

NATIONAL  
OILWELL

NATIONAL  
OILWELL  
M-P-220





[www.PetroRigs.com](http://www.PetroRigs.com)

[www.PetroRigs.com](http://www.PetroRigs.com)

NATIONAL  
OILWELL

MULTISHIP HOLTA



An aerial photograph of an offshore oil rig deck. The deck is primarily blue with a large, complex valve assembly in the foreground. A worker in a blue uniform is visible on the deck. The rig is situated on a body of water, with a white support vessel and a red container visible in the background. The text 'www.PetroRigs.com' is overlaid in the center of the image.

[www.PetroRigs.com](http://www.PetroRigs.com)



[www.PetroRigs.com](http://www.PetroRigs.com)



**PREVENTIVE MAINTENANCE STACKING RECORD (PMSR)**

MOO  
GSP Jack Ryan

Task No. 15.1.1.1.003  
Task Title: Stack 900VDC  
Request Date: 15/07/2015 14:10:00

**Safety Precautions:**  
 1. Confirm that the area is locked/tag out and that the area is safe to work in.  
 2. Confirm that the area is safe to work in.  
 3. Confirm that the area is safe to work in.

**Material Required:**  
 1. 900VDC Cable  
 2. 900VDC Cable  
 3. 900VDC Cable

**Procedure:**  
 1. Lay out the cable on the deck.  
 2. Lay out the cable on the deck.  
 3. Lay out the cable on the deck.

**Completed By:** Tony Hall  
**Date Completed:** 15/07/2015  
**Man hours:** 36

**Estimated Reactivation Time:** 264 Hours  
**Safety Precautions:**  
 1. Confirm that the area is locked/tag out and that the area is safe to work in.  
 2. Confirm that the area is safe to work in.  
 3. Confirm that the area is safe to work in.

**Material Required:**  
 1. American Block Head Pump Crank Kit  
 2. New Valves, Seals, Pistons & Liners for the PUMPS  
 3. New Valves, Seals, Pistons & Liners for the PUMPS

**Procedure:**  
 1. Follow GSP Jack Ryan D005 Shipyards 2015, install the pump crank kit.  
 2. Follow GSP Jack Ryan D005 Shipyards 2015, install the pump crank kit.

**Completed By:** Tony Hall  
**Date Completed:** 15/07/2015  
**Man hours:** 36

**Grand Total Man hours:**  
**Grand Total Material Costs:**

Prepared By: Tony Hall

www.PetroRigs.com

A photograph of industrial machinery, likely a pump or motor assembly, mounted on a blue metal frame. The machinery is painted blue and features a large, ribbed motor on the right side. A green pump or valve assembly is visible on the left. The background shows a blue sky and some greenery. The text "www.PetroRigs.com" is overlaid in white, bold font across the center of the image. On the blue panel of the machinery, the text "OIL" and "13-2-220" is visible.

[www.PetroRigs.com](http://www.PetroRigs.com)

A close-up photograph of a large, blue-painted industrial valve or wellhead component on an offshore rig. The component is heavily bolted and shows signs of wear and rust. In the background, a blue structure with a sign that reads "MULTI HOLL" is visible. The sky is clear and blue. A watermark "www.PetroRigs.com" is overlaid in white text across the center of the image.

[www.PetroRigs.com](http://www.PetroRigs.com)





[www.PetroRigs.com](http://www.PetroRigs.com)

# NATIONAL-OILWELL

# POWER SLUSH PUMP

MODEL 14P200 SERIAL NO. 10983-H  
 MAXIMUM LINER SIZE 9" STROKE 14"  
 RATED MAXIMUM INPUT 2200 HP AT 105 SPM  
 RATED MAXIMUM OUTPUT 1980 HP AT 105 SPM  
 GEAR RATIO 3.969 HYDROSTATIC TEST 11,250 PSI  
 FLUID ID. SERIAL NO.



LINE SIZE	GPM AT RATED SPM	MAX. RATED PSI
9"	960	3535
8"	843	4025
7 1/2"	735	4615
7"	633	5360
6 1/2"	540	6285
6"		

[www.PetroRigs.com](http://www.PetroRigs.com)

OPERATION INSTRUCTIONS  
 AIR TEMPERATURE 50°F TO 150°F  
 20°F TO 100°F  
 20°F TO 100°F  
 INDUSTRIAL EP GEAR OIL  
 AGMA 47 EP OR ISO 460 EP  
 AGMA 46 EP OR ISO 320 EP  
 AGMA 42 EP OR ISO 68 EP  
 180 UNITED STATES GALLONS  
 MINIMUM OPERATING  
 FREQUENTLY AS  
 FREE OF  
 PERIODICALLY

MADE IN THE UNITED STATES

2807100