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CYCLONE
DRILLING INC
RIG 32

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A photograph of an industrial site, likely an oil or gas rig. In the foreground, there is a white metal frame structure with several large black cables or hoses coiled around it. To the left, a large blue industrial building with yellow safety railings is visible. To the right, a blue metal door or panel is partially shown. The ground is reddish-brown dirt. The sky is blue with scattered white clouds. A watermark is overlaid in the center of the image.

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The image shows a large, silver-colored scissor lift with a yellow hydraulic cylinder, parked on a gravel surface. To the left are blue storage containers, and to the right is a blue industrial structure with a yellow staircase. The sky is blue with some clouds. A watermark is centered over the lift.

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API NO. 4E-0000 3rd EDITION

SHOP ORDER	DATE MANUFACTURE
P-1608	05/09
MANUFACTURER SERIAL NO.	M195-296
STATIC HOOK LOAD	768,000
SSL	E3/U3
PSL	2

AMERICAN PETROLEUM SERVICES, INC.

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142 FT. MAXIMUM REACH
 168,000 LBS. MAXIMUM
 TRAVELING BLOCK
 STATION: ACCCELERATION
 AND WIND LOADS WILL
 HOOK LOAD CAPACITY
 MINIMUM RATED DESIGN
 HOUT RATED CAPACITY
 VE MEAN SEA LEVEL
 ACTION OF BASE OF
 LEVEL OR GROUND
 20 FT

142 FT. MAXIMUM REACH
 168,000 LBS. MAXIMUM
 TRAVELING BLOCK
 STATION: ACCCELERATION
 AND WIND LOADS WILL
 HOOK LOAD CAPACITY
 MINIMUM RATED DESIGN
 HOUT RATED CAPACITY
 VE MEAN SEA LEVEL
 ACTION OF BASE OF
 LEVEL OR GROUND
 20 FT

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SUPERIOR DERRICK SERVICES, INC.



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The image shows an outdoor industrial storage area. On the left is a long, light blue metal wall. In the center, two white hydraulic scissor lifts are parked on a gravel surface. To the right, a large blue industrial structure with yellow stairs and a large red and green cable reel is visible. The sky is blue with scattered white clouds. A watermark is centered over the image.

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A large, blue-painted industrial container or storage unit is the central focus, resting on a heavy-duty metal frame with a triangular support structure. The container has a large, open front end. In the background, other industrial structures, including a yellow overhead crane and a white building, are visible under a bright blue sky with scattered clouds. The ground is a mix of dirt and sparse grass.

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The image shows a perspective view through a series of white metal truss structures, likely part of an oil rig. The structures are arranged in a repeating pattern, creating a tunnel-like effect. In the distance, a yellow generator or engine is visible. The ground is covered in reddish-brown soil and sparse green vegetation. The sky is blue with some clouds. The text "www.PetroRigs.com" is overlaid in the center of the image.



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A large white metal derrick structure, likely for oil or gas drilling, stands on a dirt field. The structure has a complex lattice of beams and a long horizontal arm with a yellow and black striped section. In the background, there are several blue portable equipment units and a large industrial building under a blue sky with scattered clouds. The foreground shows shadows of the equipment and some sparse vegetation.

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A large white industrial crane, likely a derrick or hoist, is mounted on a blue steel frame. The crane is positioned in an outdoor industrial setting, possibly an oil field, with a blue sky and some clouds in the background. The crane's arm is extended upwards and to the right. To the right of the crane, there is a large blue industrial structure with yellow pipes. The ground is dry and dusty with some sparse green vegetation. The overall scene is brightly lit, suggesting a sunny day.

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A large industrial spool of steel wire rope is mounted on a blue metal frame. The spool has a red-painted left flange and a green-painted right flange. The wire rope is coiled tightly around the central hub. The frame is made of heavy-duty blue-painted steel beams. In the background, there is a large blue industrial structure with yellow safety railings and stairs. The ground is covered in reddish-brown gravel. The sky is blue with some clouds. A watermark is visible across the center of the image.

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A photograph of an industrial facility, likely an oil or gas rig, featuring large blue metal structures and yellow safety railings. A bright sun is visible in the sky, creating a lens flare effect. The ground is covered in gravel. A watermark is overlaid on the image.

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A photograph of an industrial facility, likely an oil or gas rig, featuring large blue metal structures with yellow safety railings. The ground is covered in reddish-brown gravel. A large blue container is visible on the left, and a large fan or wheel-like structure is on the right. The sky is blue with some clouds.

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The image shows an industrial site with several large blue metal containers or skids. On top of one container, there are yellow pipes and a yellow ladder. A large coil of black cable is visible on the side of a container. The ground is covered in reddish-brown gravel. The sky is blue with some light clouds. A watermark is visible in the center of the image.

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A photograph of an industrial facility, likely an oil or gas rig. The scene features several large, light blue metal containers or skids. A prominent yellow pipe runs along the top of one of the containers, with a set of metal stairs leading up to it. To the left, a large coil of black cable is visible. The ground is covered in reddish-brown gravel. In the background, more industrial structures and a clear blue sky are visible.

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A low-angle, upward-looking photograph of an offshore oil rig. The structure is composed of light blue painted steel beams and platforms, with yellow safety railings. A large, dark, rusted metal pipe extends horizontally from the structure. In the foreground, a thick, dark cable is coiled. The background is a clear blue sky with wispy white clouds. A large, white, curved object, possibly part of a ship's hull, is visible in the top left corner.

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A photograph of an industrial facility, likely an oil or gas processing plant. In the foreground, a large, light blue rectangular container or storage tank is visible. To its right, a large, dark, coiled cable or hose is hanging from a structure. In the background, several large, cylindrical storage tanks are visible, along with a blue structure that appears to be part of a drilling rig or a specialized transport unit. The ground is covered with dry, yellowish grass. The sky is blue with some white clouds. The overall scene is industrial and outdoor.

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A photograph of an industrial rig structure, likely for oil or gas extraction. The structure is composed of heavy steel beams, some painted blue and others white. A yellow platform or walkway is visible on the right side. The background shows a clear blue sky and some distant structures. The text "www.PetroRigs.com" is overlaid in the center of the image.

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The image shows an industrial facility, likely an oil or gas rig, with various blue and yellow structures. In the foreground, there are large, rusted metal components and a blue vertical structure. In the middle ground, there are blue storage tanks and a yellow structure. In the background, there are more industrial buildings and a clear blue sky with scattered white clouds. The text "www.PetroRigs.com" is overlaid in the center of the image.

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The image shows an industrial facility, likely an oil or gas rig, with large blue and yellow metal structures. In the foreground, there's a blue frame with yellow safety railings. A large blue container or module is in the middle ground, with other similar units in the background. The ground is gravelly with some sparse vegetation. The sky is blue with scattered white clouds. A watermark is centered over the image.

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The image shows a large, light blue industrial container or skid-mounted unit. On top of the container is a complex metal frame with a lifting mechanism, possibly for a wellhead or valve. The container has several doors and panels. In the background, there are other industrial structures and a clear blue sky with some clouds. The ground is dirt and gravel.



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The image shows a large, blue-painted industrial platform scale. It has a heavy-duty metal frame with a large, flat weighing platform at the base. Above the platform, there is a complex arrangement of beams, pulleys, and a weighing mechanism. The scale is mounted on a blue-painted metal structure. In the background, there are other industrial structures and a clear blue sky. The text "www.PetroRigs.com" is overlaid in the center of the image.

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The image shows a blue industrial electrical control cabinet, likely for an oil or gas rig. It features yellow safety railings and a yellow ladder. Two warning labels are visible on the front: one with 'NOTICE' and 'DANGER HIGH VOLTAGE' text, and another with 'NOTICE' and 'DANGER NO SMOKING' text. The cabinet is situated outdoors on a metal platform, with other industrial equipment and a grassy field in the background.

A photograph of a row of blue industrial containers, likely for oil and gas operations, parked in an outdoor yard. The containers are stacked and have various equipment and pipes attached to them. The sky is blue with some clouds, and the ground is gravel. A watermark is visible in the center of the image.

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The image shows a complex industrial assembly, likely a part of an oil rig, situated in a workshop or maintenance bay. A prominent horizontal pipe, painted green, runs across the middle of the frame. It is flanked by yellow vertical pipes. Below the horizontal pipe, there are three large, rectangular metal blocks, also painted green, which appear to be part of a manifold or support structure. These blocks are secured with numerous large, silver-colored bolts. On top of each block sits a cylindrical component, possibly a valve or a filter. A red spray can is visible on the rightmost block. In the foreground, a large, circular flange with multiple bolts is visible, connected to a vertical pipe. The background shows the structural elements of the building, including wooden beams and a metal framework. A watermark is overlaid on the image.

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A photograph of an industrial facility, likely an offshore oil or gas rig. The scene shows a complex arrangement of machinery, including large green and yellow pipes, valves, and a prominent orange cylindrical tank. The structure is supported by a network of white steel beams. The floor is made of metal grating. A red fire extinguisher is visible on a platform in the foreground. The overall environment is industrial and functional.

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16 2 1/2" x 5" 1.5X Fluid End Performance Table

16 2 1/2" x 5"	6	1 1/2"	5	4 1/2"
Rated Flow (GPM)	1814	524.5	6489	1525.5
Stroke (SPM)	Max Input Power (HP)	Displacement (GPM)		
120	1700	199.16	554.91	493.43
110	1500	181.4	509.01	447.68
100	1300	163.7	463.11	401.93
90	1100	146.0	417.21	356.18
80	900	128.3	371.31	310.43
70	700	110.6	325.41	264.68
60	500	92.9	279.51	218.93
50	300	75.2	233.61	173.18
40	100	57.5	187.71	127.43
30	0	39.8	141.81	81.68
20	0	22.1	95.91	35.93
10	0	4.22	3.72	3.21

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A photograph of an industrial interior, likely a ship's deck or a large storage area. In the foreground, a large, rectangular, rusty metal grate is positioned on a flat surface. To the left of the grate, a vertical metal pipe stands. The background shows a complex structure of metal beams, pipes, and a door. The overall scene is characterized by rust and industrial wear.

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10HL Bomco 7.57 1/2 id Eni 1 er 1 1/2 Gota Tab						
Line	7	6	5	4 1/2		
Rated Pressure (Psi)	3335	4814	5524	6463	7524	
Stroke (SPM)	Max Input Flow (GPM)	Max Input Flow (GPM)	Max Input Flow (GPM)	Max Input Flow (GPM)	Max Input Flow (GPM)	
120	1560	737.66	512.27	445.16	417.01	350.15
110	1437		469.48	405.1	394.46	327.7
100	1314	614.89	426.04	371.0	362.82	300.6
90	1191	553.1	384.2	336.5	308.8	272.4
80	1068	491.07	341.1		288.63	244.2
70	945				268.51	226.0



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The image shows a close-up, low-angle view of industrial equipment. In the foreground, a large, weathered metal structure is visible, featuring a prominent rectangular section with a rusty, diamond-patterned metal grate. To the right of this grate, a vertical green-painted pipe or column rises. The background reveals a complex network of white-painted steel beams and structural supports, suggesting a large industrial facility. The overall scene conveys a sense of heavy machinery and industrial operations.

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The image shows a close-up view of industrial equipment on an oil rig. In the foreground, there is a large, light-colored metal structure with a handle and a circular vent. Behind it, a green cylindrical tank is visible, with a white motor or fan unit attached to its side. To the left, a bundle of thick, dark cables is hanging from the ceiling. The background shows more of the rig's interior, including pipes and structural beams. A watermark is overlaid in the center of the image.

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A photograph of industrial machinery, likely a pumpjack or similar equipment, mounted on a structure. The machinery is white and grey, with a prominent circular fan or vent on the side. It is surrounded by various cables, hoses, and structural elements of the rig. The background shows a complex network of pipes and structural beams. The overall scene is industrial and somewhat cluttered.

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DANGER
HIGH
VOLTAGE



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A photograph of an industrial facility, likely a refinery or chemical plant. In the foreground, a large, teal-colored cylindrical tank sits on a metal grate. To its left is a large, grey, rectangular piece of equipment with a vented side. In the background, more industrial machinery, including pipes and tanks, is visible. The floor is made of metal grates, and the ceiling has a grid of lights. A watermark is overlaid on the center of the image.

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The image shows a large industrial facility, likely a power plant or refinery, with several large machines. In the foreground, there is a large grey machine with a fan-like structure on its side. To its right, there is a teal-colored machine with a large black fan. In the background, there are more machines and a yellow crane. The ceiling is high with a metal grid and lights. The floor is concrete. A watermark is visible across the center of the image.

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The image shows an industrial setting, likely a power plant or refinery, with several large, grey, rectangular machines mounted on metal frames. These machines have cooling vents at the bottom and are connected to a network of pipes and cables. The ceiling is high with exposed structural beams and a grid of lights. The floor is made of concrete. A prominent watermark is overlaid across the center of the image.

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The image shows a large, blue, rectangular industrial storage container or shed. The container has vertical ridges and a door that is partially open, revealing internal equipment, including what appears to be a large green gas cylinder. On the door, there are several safety notices. The ground in front of the container is a mix of gravel and a metal grate. In the background, other industrial structures and a blue sky with clouds are visible.

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