



www.petrorigs.com

MANUFACTURED BY: CROWN ENERGY TECHNOLOGIES INC.,
CALGARY, ALBERTA CANADA - (403) 215-5300

GVWR: 54,430KGS (120,000LBS)

DATE: OCTOBER 2006

GAWR	TIRES	RIMS	COLD INFL PRESS	(S/D)
FRONT: 13,608KGS (30,000LBS)	315/80R 22.5 (J)	22.5X8.25	830 KPA (120 PSI)	DUAL
INT 1: 13,608KGS (30,000LBS)	315/80R 22.5 (J)	22.5X8.25	830 KPA (120 PSI)	DUAL
INT 2: 13,608KGS (30,000LBS)	315/80R 22.5 (J)	22.5X8.25	830 KPA (120 PSI)	DUAL
REAR: 13,608KGS (30,000LBS)	315/80R 22.5 (J)	22.5X8.25	830 KPA (120 PSI)	DUAL

THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY
STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

V.I.N: 2C9SM464562173092

TYPE: TRL

JOB #

00288



A low-angle, upward-looking photograph of an oil rig. In the foreground, a grey metal structure with yellow safety railings and a perforated metal walkway is visible. A yellow ladder leads up to a platform on the right. In the center, a tall, silver derrick with a red top section rises into a cloudy sky. The rig is situated on a gravel surface. A watermark is centered in the image.

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Model No.:

CE 750 SD

Part No.:

100042035

Date of Mfg.:

AUGUST 2006

Serial No.:

0135-ABIF-930-C6

Crown Energy Technologies

3111 Shepard Place S.E.

Calgary, Alberta T2C 4P1 CANADA

Telephone: (403) 215-5300

Toll Free: (800) 661-6172

www.crown-energy.com

www.petrorigs.com

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Model No.:

CE 75CSD

Part No.:

100042508

Date of Mfg.:

AUGUST 2005

Serial No.:

02261A1K530006

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3111 Shepard Place S.E.,

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A photograph of industrial equipment on a metal platform. In the foreground, a large grey metal structure is partially visible. Behind it, a complex engine or pump assembly is mounted on a frame, featuring various pipes, hoses, and a red cylindrical component. To the right, there are large black cylindrical tanks and a yellow safety railing. In the background, a red vertical structure and more industrial equipment are visible under a cloudy sky. The floor is made of metal grating.

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DS ENGINE

DDS ENGINE



ENGINE RPM

AIR PRESSURE

ENGINE RPM



VOLTS



TRANSMISSION OIL PRESSURE



TRANSMISSION OIL TEMPERATURE



TRANSMISSION OIL PRESSURE



TRANSMISSION OIL TEMPERATURE



ENGINE OIL PRESSURE



ENGINE OIL TEMPERATURE



ENGINE OIL PRESSURE



ENGINE OIL TEMPERATURE



STOP ENGINE



CHECK ENGINE



ENGINE COOLANT TEMPERATURE



STOP ENGINE



CHECK ENGINE



ENGINE COOLANT TEMPERATURE



DIAGNOSTIC REQUEST



SHUTDOWN OVERRIDE



DIAGNOSTIC REQUEST



SHUTDOWN OVERRIDE



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A photograph of industrial equipment mounted on a metal platform. The equipment includes a large black cable on the left, a fan unit at the top, a cylindrical tank in the center, and a rectangular control box on the right. A metal grate is visible on the right side of the platform. The entire setup is supported by a grey metal frame.

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A photograph of an industrial facility, likely an oil or gas processing plant. The scene shows a large, grey, boxy piece of machinery with a circular opening and a mesh screen, situated on a metal platform. Yellow safety railings are visible around the platform. In the background, there are more industrial structures, including a control room or observation deck. The sky is overcast with grey clouds. A watermark is overlaid on the image.

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A low-angle, upward-looking photograph of a large industrial pulley system. The pulley is bright yellow and has the words "American Block" printed on its side. It is suspended by a thick black chain and is part of a larger white steel structure, likely a derrick or crane. Several black cables run vertically through the pulley system. The background is a cloudy sky. A watermark "www.petrorigs.com" is overlaid in the center of the image.

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A tall, white, lattice-structured drilling rig stands vertically against a cloudy sky. A large yellow hook and pulley system is attached to the rig. In the background, another smaller rig is visible on the left, and a person in a white shirt is seen on the right. The rig is surrounded by yellow safety railings. The text "www.petrorigs.com" is overlaid in the center.

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American
Block



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The image shows an industrial setting, likely an offshore oil rig. In the center is a blue metal hatch cover with a circular opening in the middle, which is covered by a rusty metal plate. The hatch is surrounded by a white metal frame. To the left, there are yellow safety railings and a chain hanging from a structure. To the right, there is a wooden deck with a yellow rectangular object, possibly a warning sign or a piece of equipment. The overall scene is well-lit, suggesting daylight.

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GUYED RIG MAST NAMEPLATE

MANUFACTURED TO API SPEC. 4F (PSL2), 2ND EDITION, 01/50/95

SAXON ENERGY SERVICES INC.

141

RIG NC

OWNER

7/8"

LOAD LINES

3/4"

LOAD LINES
(OPTIONAL)

1/2"

MONKEY BOARD
SUPPORT CABLE

5/8"

MONKEY BOARD
GUY LINES

5/8"

GUY LINES

MAST SETUP
DISTANCE

4'-6"



MAST MANUFACTURER:

CROWN ENERGY TECHNOLOGIES

MANF. ADDRESS:

4501 S COUNTY ROAD 1310, ODESSA, TEXAS

DATE OF MANUFACTURE:

SEP 2016

MODEL NUMBER:

75-4316-6

CLEAR HEIGHT:

118 FT

M



CROWN

MAXIMUM STATIC HOOK LOAD RATINGS

@6 LINES:	300,000 LBF	133,400 daN
@8 LINES:	375,000 LBF	166,800 daN
@10 LINES:	400,000 LBF	177,930 daN

NOTE:

GUY LINES MUST MEET API SPECIFICATIONS 9A AND 9B, AS WELL AS ALL INDUSTRIAL HEALTH AND SAFETY REGULATIONS.
SEE OPERATING MANUAL FOR INFORMATION ON DETAILED INSTRUCTIONS.

WIND SPEED RATING

MPH

KM/H

KNOTS

w/ BARE MAST

69

111

66

w/ FULL SETBACK

69

111

60

CAUTION: ACCELERATION OR IMPACT, ALSO SETBACK, AND WIND LOADS WILL REDUCE THE MAXIMUM RATED STATIC HOOK LOAD CAPACITY.

DRAGON RIG SALES
AND SERVICES, LTD.

REPAIR DATE: 06/2022

JOB NO.: 11331

IN SERVICE DATE: 06/2022

CUSTOMER NAME: WISCO MORAN

EQUIP. MANUFACTURER: CROWN ENERGY

EQUIP. MODEL NO.: 118-400,000

EQUIP. SERIAL NO.: 75-M4338-06

D.O.M.: 09/2006

TYPE OF INSPECT/REPAIR: CAT - IV

1203 INDUSTRIAL PARK DR. VICTORIA, TX 77905

361-576-0682

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American
Block





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VORTEX FLUID SYSTEMS INC.
6324 SOUTH 60TH EAST PLACE
TULSA, OK 74133
918-810-7798

MODEL

ORBITAL 3000

UNIT NUMBER

2980

PATENT NUMBERS

6,029,823

6,029,823

OTHER PATENTS PENDING

www.petrorigs.com





The image shows a blue industrial machine, possibly a pump or motor, mounted on a metal platform with a white safety grate. A blue tarp is draped over the top of the machine, and a wooden ladder is leaning against it. A black electrical control box is attached to the side of the machine. The background features a dense line of green trees under a cloudy sky. A yellow safety railing is visible on the left side of the platform.

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The image shows a close-up of a blue industrial machine. In the center, there is an oval-shaped logo with a metallic, brushed metal finish. The logo contains the word "VORTEX" in large, bold, white capital letters, and below it, "FLUID SYSTEMS INC." in smaller white capital letters. A semi-transparent dark blue banner with the white text "www.petrorigs.com" is overlaid across the middle of the logo.

www.petrorigs.com



www.petrorigs.com



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A large blue tarp is draped over a piece of equipment on a metal platform. The platform has a grid-like metal floor. To the right, there are yellow and red safety railings. In the background, there are green trees and a white crane arm. The text "www.petrorigs.com" is overlaid in the center of the image.

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A blue industrial pump and motor assembly is mounted on a rusty metal platform. The pump is connected to a blue pipe system. The motor is blue and has a label. The platform is made of metal and shows signs of rust. The background is a white wall and a gravel surface.

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SIEMENS



HIGH EFFICIENCY

TYPE: RGZZESD

Hz: 60

Hz.: 50

HP: 75

HP.: 60

kW: 55.95

kW.: 44.76

VOLTS: 230/460 VOLTS.: 190/380

AMPS: 174.0/87.0 AMPS.: 168.0/84.0

R.P.M: 1775 R.P.M.: 1475

NEMA NOM EFF: 94.1% AT 60 Hz

PART No: 1MB29113CB216AA3

SERIAL No: D01031K151

VFD COMPATIBLE AT 1.0 S.F.

100:1 V.T. 2:1 C.T.

DUTY: CONT.

TEFC

3 PH

CLASS INSUL: F

S.F.: 1.15

AMB. TEMP.: 55 °C

TEMP. RISE: CLASS B

NEMA DESIGN: B kVA CODE: 6

FRAME: 365 T 1254

SH. END BRG: 70BC03JPP3

OPP. END BRG: 70BC03JPP3

1.0 S.F. AT 60 °C AMB.

LR 36096

CLASS 1 ZONE 1

GROUP IIA

4 5 6

7 8

9 10

11 12

13 14

15 16

17 18

19 20

21 22

23 24

25 26

27 28

29 30

31 32

33 34

35 36

37 38

39 40

41 42

43 44

45 46

47 48

49 50

51 52

53 54

55 56

57 58

59 60

61 62

63 64

65 66

67 68

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MILL AND CHEMICAL DUTY QUALITY INDUCTION MOTOR

Made in Mexico by SIEMENS



CE II 2 G D C +80°C (T1) (-20°C < T2 < +65°C)

CENTRIFUGAL PUMP

Model: 250 SERIES

Technical File # MCM 250

Imp. Dia: 14" RH

Temp. Range: -20°C to +65°C

Grease/Oil: B

Year of construction: 1985

Pump Size: 5/8" x 14"

H: 713-541-2020 . HOUSTON, TEXAS

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The image shows a large, yellow Caterpillar diesel engine, likely a 3516 model, mounted on a blue base. The engine features a prominent black exhaust stack and a yellow air filter. It is surrounded by various hoses and pipes. In the background, there are other industrial components, including a large blue wheel and a red container. The scene is set outdoors on a gravel surface.



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GARDNER
DENVER
PZ11

www.petrorigs.com



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A photograph of industrial equipment, possibly a pump or motor, mounted on a metal frame. The equipment is blue and has a white base. It is situated on a gravel surface. A black cable runs across the gravel. The metal frame has several horizontal bars. The text 'www.petrorigs.com' is overlaid on the image.

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Sales

Service

BRIDGES EQUIPMENT

www.petrorigs.com

Repair

ODESSA, TEXAS

RIG UP

S/N

DATE:

CUST:

05-12 F-10

B-210-S-5-3

09 09 14

STP S-C-C



BRIDGES
EQUIPMENT
COESBA, TEXAS

www.petrorigs.com

NATIONAL-OILWELL

TORQUE
CONVERTER

MADE
IN
U.S.A.

MODEL

C-300-100

TYPE

"F"

SERIAL NO.

3763

SPEC NO.

3037

OPERATING INSTRUCTION

FILL WITH SAE 70 VISCOSITY PREMIUM GRADE TURBINE

www.petrorigs.com

AND CHANGE OIL AND CLEAN FILTER AFTER FIRST 200

HOURS OPERATION THEN EVERY 3000 HOURS OR EVERY

THREE MONTHS. DO NOT OPERATE WITH GAGES IN RED

AREA.

NET CAPACITY LESS COOLER

37.5 GALS

NATIONAL OILWELL

HOUSTON TEXAS U.S.A.



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The image shows a large industrial machine, likely a generator or engine, mounted on a metal platform. The machine has a yellow frame and a large black cylindrical component. To the right, there are two blue cylindrical tanks. The background shows a yellow railing and some greenery under a cloudy sky. A watermark is visible across the center of the image.

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ENGINE MODEL

CC04

264641

AR NO

ROTATION

012020

PERF SPEC

MAX ALT

1524

CEM NO

ETS (SLOPE)

0

238 mm

FULL LOAD STATIC FUEL

FUEL TIMING

64.5 mm

ECM SOFTWARE

3273565

POWER

1100 kW AT 1200 RPM

INJECTOR

2693152

PRE ENGINE HI IDLE

1320 RPM

TURBO

54339

SERVICE TOOL TO

RENT ENGINE SETTING

5852 2

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GARDNER

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DENVER

PZ11

DANGER-READ INSTRUCTION MANUAL BEFORE RUNNING OR OPERATING UNIT

MODEL P7L

DATE

EQ

SERIAL NO.

0007913

CRANKCASE OIL CAP. GAL.

3.5

ID NO.

SERVICE

CONTINUOUS

RATED MAX INPUT SHP

1500

RATED MAX INPUT RPM

1500

RATED MAX PUMP RPM

1500

DISCHARGE MAX PSI MAX OF FLUID OIL

3000

SECTION MAX PSI MAX OF FLUID OIL

3000

MAX INPUT RPM AT MAX PRESSURE

1500

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DISPLACEMENT & PRESSURE

SIZE

GPM

PSI

PSI

INTERMITTENT DUTY MAXIMUM PRESSURE SEE O-M MANUAL FOR ADDITIONAL SPECIFICATIONS

PURCHASER ID NO.

MADE IN USA

Gardner Denver

Gardner Denver Inc.
Quincy, Illinois

2000PAGE

GIVE MODEL ID NO. AND SERIAL NO. WHEN ORDERING RETAIL PARTS OR SERVICE

INLET OR SUMP GAUGE OIL TEMPERATURE



WARNING
CRANKCASE API GL-5 OIL REQUIREMENTS



DANGER



PELIGRO

www.petrorigs.com

Gardner Denver

WARNING
CASE API GL-5 OIL REQUIREMENTS



MAX ALLOWABLE TEMP RANGE FOR EACH OIL TYPE SHOWN BY COMPRESSOR AND UNLOADING. FOR HIGH TEMPERATURES, OILS MUST BE CHANGED AT REGULAR INTERVALS. OILS MUST BE CHANGED AT REGULAR INTERVALS.

Q. WHEN ORDERING REPAIR PARTS OR SERVICE

MADE IN USA

FAILURE TO COMPLY WITH DANGER NOTICES AND/OR RECOMMENDATIONS
ATTACHED TO UNIT VOIDS WARRANTY. GIVE MODEL TO

INLET OR
SUMP GAUGE
OIL TEMPERATURE

WARNING

CRANKCASE API GL-5 OIL REQUIREMENTS



OILS FOR
LOW TO
MEDIUM
AMBIENT
TEMPS

OILS FOR
MEDIUM
TO HIGH
AMBIENT
TEMPS

20W-90
MINERAL

75W-90
SYNTHETIC

1. MAX. ALLOWABLE TEMP. RANGE FOR EACH OIL TYPE SHOWN BY COMBINED SHADED AND UNSHADED VERTICAL ARROWS LENGTHS FOR PUMPS RUNNING UNDER LOAD AT STABILIZED OPERATING TEMP.

SHADED ARROW RANGE ADVISED FOR LONGER LIFE.

2. MINIMUM NO LOAD COLD START-UP OIL TEMP. SHOWN BY HORIZONTAL ARROWS FOR EACH OIL TYPE.

3. AFTER COLD START-UP DO NOT LOAD UNIT UNTIL OIL REACHES MIN. OPERATING TEMP. (ARROW AT BOTTOM OF SHADED VERTICAL ARROW).

• OIL USED MUST CONTAIN ANTI-FOAMING, NON-CORROSIVE AND RUST INHIBITING ADDITIVES.
• OIL VISCOSITY MUST NOT EXCEED 2000 SSI AT COLD START-UP AND MUST BE BETWEEN 1500 AND 300 SSI DURING OPERATING. REGARDLESS OF OIL TEMPERATURE OR GRADE USED A CRANKCASE HEATER AND/OR HEAT EXCHANGER MAY BE NEEDED TO MEET THESE REQUIREMENTS.
• FAILURE TO FOLLOW THESE LUBRICATION REQUIREMENTS VOIDS THE WARRANTY.
• READ OPERATING AND SERVICE MANUAL BEFORE OPERATING UNIT.

Gardner
Denver

300P ZL 154



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Sales

Service

BRIDGES EQUIPMENT

Repair

ODESSA TEXAS

www.petrorigs.com

FIG UP:

3512 PZ10

S/N

3-2-5-9-3-6

DATE:

09-09-14

CUST:

WAT 870-07



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The image shows a close-up of a blue industrial machine, likely a pump or compressor. On the left, a yellow component is partially visible. The blue machine has a large, curved front panel. A black hose is connected to a blue pipe on the left side. Below the hose, there are two circular gauges and a red cylindrical filter with the text 'NATIONAL' and 'BT' visible. The machine is mounted on a concrete base. A watermark 'www.petrorigs.com' is overlaid in the center.

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A photograph of industrial equipment. On the left is a large blue cylindrical tank. To its right is yellow machinery, possibly a pump or compressor, with various pipes and hoses. A blue braided hose is connected to the tank. A black cable runs across the foreground. The ground is covered in gravel. A watermark is visible in the center.

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CATERPILLAR®

www.petrorigs.com

AUTO
STARTING
AID
SCROLL
DISPLAY
CLEAR
MODE
DISPLAY
LH
RH
LH/RH
SELECT

CATERPILLAR



OFF
RESET
COOLDOWN
STOP
MANUAL
STOP
AUTO
START

EMERGENCY
STOP

2

EXISTING ENGINE SETTINGS

1320	RPM	TURBO
1200	RPM	INTERCEPT
54	mm	ECM SOFTWARE
23.8	mm	FTS (SLOPE)
		FTS (INTERCEPT)
		0
		0
OK7020	MAX ALT	1524
96446.1	ION	CCW
	MODEL	3612

96446.1

OK7020

FRF SPEC

NO.

NO.

CAT

OAC : RATIC FUEL

MIN

MEP

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www.petronigs.com

TYPE

F

SPEC NO

3037

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37.5 GAL.

F1TZ 11.10