
DANGER
PINCH POINT


CANRIG

CANRIG

MODEL: 1275AC-681

API SPEC 8C PSL 2

8C-0079	701	750 TON
API LICENSE No	SERIAL NO.	LOAD RATING
10/2008	7500 PSI	7 5/8 REG
DATE OF MANUFACTURE	WORKING PRESSURE	QUILL CONNECTION

THIS TOP DRIVE SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS AND FOREIGN COUNTERPARTS

US 4,951,759	US 5,755,286	US 6,679,333
US 6,024,181	US 6,050,348	

H-30 L/B TO T/B


CANRIG
B078333
LUBRA 80480


DANGER
PINCH POINT

OWNER ENSCO

ID No: EN701

TARE MASS:

PAYLOAD: 4500KGS PER EYE

RATING: 18000 KGS

DNV 2.7-1 EN12079 ☐ BS7072 ☐ OTHER ☒

DATE OF TEST/EXAMINATION

T	25	6	15

CERTLIFT

Lifting Services

ISO 9001:2008 SGS LEEA

angolaops@certlift.com TEL: +244 939795379

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US 4,951,759	US 5,755,296	
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H-30 L/B TO T/B


खतरो से बचये

Canrig
Drilling Technology Limited

SERIAL NUMBER OF MAJOR COMPONENTS

Component	Serial #/ Identification #
Drilling Motor	RR08030010
Spindle	SPM01644
Quill	QLM01859
Main Housing	BHM01611
Upper Link Support	ULSM01587
Outer Sleeve	OSM01584
Split Ring	SPRM01712
Upper Link	ULM02555
Upper Link	ULM02556
Upper Link Pin	ULPM04083
Upper Link Pin	ULPM04085
Upper Link Pin	ULPM04146
Upper Link Pin	ULPM04148
Bail	BLM01335
Inner Bearing Race	BRM02329

Canrig
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CERTIFICATE ON NON-DESTRUCTIVE TESTING

Date: 02/04/2009

It is hereby certified that the product identified on the reverse side of this certificate have been non-destruct tested by certified competent authority in a manner consistent with the regulating test standard listed below, with test results as indicated.

TEST TYPE	☑	MAGNETIC PARTICLE	☐	ULTRASONIC EXAMINATION	☐	RADIOGRAPHIC EXAMINATION

CDTL JOB NO.	J11019
CUSTOMER ORDER NO.	701
CUSTOMER NAME	PRIDE

Supervisor, Quality Assurance

VERTICAL RUN TEST SUMMARY

- **ELECTRICAL CHECKS: (low power)**

Current draw: Auxiliary motors

Description	Current Draw	Run Trip Set @
Blower	16.6 Amp	ABB Amp
Lube Pump	2.5 Amp	N/A Amp
Lube Cooler	N/A Amp	N/A Amp
TDSU AC # 1	N/A Amp	N/A Amp
TDSU AC # 2	N/A	N/A

Verified By: Mike Reaper Date: 12/19/08

- **NOISE AND VIBRATION MONITORING**

Run the Top Drive at each specified speed for **10 minutes** and record the following:

SPEED	*DB reading*	LUBE TEMP (After 10 minutes	LUBE PRESS (After 10 minutes	COMMENTS (How does it sound?)
78 RPM (30% of max)	88.9 db	30.2 °c	98	Good
156 RPM (60% of max)	89.4 db	30.8 °c	97	Good
260 RPM (100% of max)	89.9 db	31.1 °c	90	Good

Verified By: Mike Reaper Date: 12/19/08

Certificate of Authority to use the Official API Monogram

License Number: 8C-0079

ORIGINAL

The American Petroleum Institute hereby grants to

CANRIG DRILLING TECHNOLOGY LTD.
14703 FM 1488
Magnolia, Texas

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API Spec 8C** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram should be used in conjunction with this certificate number: **8C-0079**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following products: Hoisting Sheaves; Traveling Blocks and Hook Blocks; Block-to-Hook Adapters; Connectors and Link Adapters; Rotary Swivel Bail Adapters; Power Swivels; Pressure Vessels and Piping Mounted onto Hoisting Equipment at PSL 1 and 2

QMS Exclusions: No Exclusions Identified as Applicable

American Petroleum Institute

John D. Modine

Director of Certification Programs

Effective Date: NOVEMBER 18, 2007
Expiration Date: NOVEMBER 18, 2010

2007-005

To verify the authenticity of this license, go to www.api.org/compositelist.

®

American Petroleum Institute

AMERICAN PETROLEUM INSTITUTE CORPORATE SEAL INCORPORATED 1919


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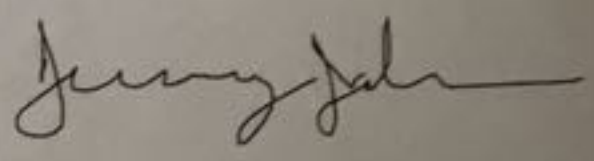
S/N 701 MUDFLOW SYSTEM PRESSURE TEST

PART	TRACE CODE	METHOD	RESULT
Spindle @ Split Ring	SPM01644	MPI	No Indications
Quill - Threads	QLM01859	MPI	No Indications
Main Bearing Housing	BHM01611	MPI	No Indications
Upper Link Support	ULSM01587	MPI	No Indications
Outer Sleeve	OSM01584	MPI	No Indications
Split Ring	SPRM01712	MPI	No Indications
Upper Link	ULM04083	MPI	No Indications
Upper Link	ULM04085	MPI	No Indications
Upper Link Pin	ULPM04146	MPI	No Indications
Upper Link Pin	ULPM04148	MPI	No Indications
Upper Link Pin	ULPM02555	MPI	No Indications
Upper Link Pin	ULPM02556	MPI	No Indications
Bail	BLM01335	MPI	No Indications

	NAME	SIGNATURE
INSPECTION DOCUMENTS REVIEWED BY:	Jeremy Johnson	
CUSTOMER REPRESENTATIVE:	N/A	N/A

- CONSOLE DRILLER'S RECORDER OUTPUT

Description	Nominal Parameter	Reading
RPM	4-20ma	4-20ma
TORQUE	4-20ma	4-20ma

Verified By: Mike Reaper Date: N/A

- A.D.S (PANELVIEW) MESSAGE TEST

Verified By: Mike Reaper Date: N/A

- PROGRAM INTERLOCKS

Verified By: Mike Reaper Date: 12/19/08

- TOP DRIVE AIR FLOW (U – TUBE):

Description	Nominal Parameter	Acceptance Criteria	Reading
* Motor bottom Pressure U-Tube	1" to 2" H^2O (by U- Tube)	Maximum " H^2O	N/A " H^2O
* Motor Differential Pressure U-Tube	)per beat .K	Cfm over 2000	N/A " H^2O

Verified By: Mike Reaper Date: 12/19/08

- TORQUE TEST:

Maximum Motor Torque:	71,400 ft-lbs
Maximum Torque Boost:	24,000 ft-lbs
Maximum Total Connection Torque:	95,400 ft-lbs
Maximum Brake Holding Torque	50,000 ft-lbs

Verified By: Mike Reaper Date: 12/19/08

VERTICAL RUN TEST SUMMARY

- LUBRICATION

Verified By: Mike Reaper Date: 12/19/08

- TOP DRIVE HYDRAULIC PRESSURE SETTINGS

Verified By: Mike Reaper Date: 12/19/08

- PLC CALIBRATION

Verified By: Mike Reaper Date: N/A

- PLC PROGRAM BIT CHECK

Verified By: Mike Reaper Date: N/A

- VERTICAL RUN TEST – RPM & TORQUE DATA:

RPM	Torque (ft-lb)	Duration (hrs.)	Comments	Date Completed:
80	0	0.5 hrs.	Leak test and warm up	12/19/08
90	15,000	1.0 hrs	33% continuous torque	12/19/08
130	30,000	9.5 hrs	60% continuous torque	12/19/08

Verified By: Mike Reaper Date: 12/19/08

MODEL 1275AC-681 TOP DRIVE DRILLING SYSTEM

SECTION 7: CERTIFICATIONS

Canrig

Drilling Technology Limited