



SAFETY - QUALITY - SCHEDULE

THE NEW STANDARD IN BOLTING FOR PETRO- CHEMICAL

An Introduction to HYTORC

HYTORC was formed in 1968 by John Junkers. At that time tight was when the nut could not be turned any further. Today, 43 years later, HYTORC guarantees Joint Integrity with unmatched Bolt Load Precision, Speed and Safety.

HYTORC's first hydraulic ratcheting wrench was developed in 1972 in cooperation with the Westinghouse field service division. Since then, HYTORC literally invented every single major improvement in torque and tension tools. Realizing in the early nineties that further developments of hydraulic torque and tension tools are limited by the fact that, in the field, torque has unknown friction and tension has unknown bolt relaxation, HYTORC formed a Research & Development company called JETYD in 1993. It's challenge: to eliminate the unknown friction of torque and the unknown bolt relaxation of tension.

Existing bolting tools were already capable of accurate torque so JETYD focused on the fastener in order to achieve accurate bolt load through accurate torque, a previously unaccomplished feat. In 1995, JETYD engineered the world's first fastener that can be operated with a standard HYTORC torque tool. Its field use assures a torsion - and side load-free calibrated bolt load accuracy of \pm 5% as well as a frictional turning resistance from nut to nut within 3%. Bolt and surface galling and nut loosening are eliminated, joint failures and lengthy bolt elongation measurements are no longer necessary, bolting time is literally cut in half over any other method including heat induction and best of all, our new technology is the safest in the world market.

Additionally, HYTORC sets the standard in its industry with 4 hydraulic tool lines: the economical solution for basic maintenance, the most frequently used torque tool in the world, the patented and universal Stretch-to-Load torque/tension machine and the fastest hydraulic tool in the market. With the largest worldwide sales and service network of Bolting Experts in its field, an alliance with ASME and OSHA for world-wide industrial bolting and safety courses and the certification of its technology by TUV, ISO and Lloyd, HYTORC reached the first plateau in its endeavor for perfection.

The following is a presentation of the HYTORC Technology for your kind consideration.

John K. Junkers, CEO

HYTORC, Division UNEX Corporation 333 Route 17N, Mahwah, NJ 07430, USA + 1 201 512-9500 1 800 FOR HYTORC



Accreditations

Why HYTORC?	Pages 4-5
HYTORC World-wide Service	Pages 6
HYTORC Washer: Reactors	Pages 7-19
HYTORC Washer: Heat Exchangers	Pages 20-30
HYTORC Washer: Inlets -Outlets	Pages 31-37
HYTORC Washer: Manways	Pages 38-45
HYTORC Washer: Valves	Pages 46-51
Hytorc Nut Operation	Pages 52-53
Hytorc Nut: Applications	Pages 54-57
HYTORC Torque Technology	Pages 58-60
Installation Oversight	Pages 61-62

Pages 63-68





RELIABILITY

- HYTORC is the oldest and largest company in its field.
- Accredited by ASME and OSHA for bolting procedures and safety
- Worldwide 24/7 service by trained bolting experts
- The most experienced job supervision teams in the industry
- The only company in its field to provide free Safety Trainings on request

PRODUCTS

The Only Company in its Field with 4 Unique Product Lines:



The Economical Basic Maintenance Torque Wrench line





The World's Most Trusted, Field Proven Torque Wrench line

INNOVATIONS

- HYTORC invented every single major improvement in Torque and Tension since 1972
- The only technology in the industry that can reach the desired bolt load within 5% without requiring measurements
- The only hydraulic torque tool that is torque & tension compatible.
- The first torque wrench that can stretch bolts without side load, torsion, or bolt relaxation
- The only torque wrench that can be remote operated even on inverted applications for hands-free safety
- The first company to do the job in half the time of any other method
- The first wrench with Auto Release Mechanism







The World's Fastest Universal Torque & Tension Tool line



OUR GLOBAL SERVICE POLICY COVERS ALL HYTORC TOOL USERS

FREE SERVICES

- FREE User safety training upon receipt of merchandise
- FREE Semi-annual user safety training on request
- FREE Annual safety seminar on appointment
- FREE Loaner tools in case of product failure within 24 hours
- FREE Torque/Tension consultation/seminar
- FREE Half day, first use supervision
- FREE Annual product inspection on request
- FREE Product demonstration
- FREE 12 Month No-Questions-Asked Warranty
- FREE Lifetime safety/durability/function upgrades

(Above services are NOT subject to travel expense charges)

REPAIRS

- All Repairs are guaranteed for 6 months from date of repair
- Repairs are subject to labor and part cost, as outlined in the official HYTORC Price List
- All Warranty Repairs are free of all charges including return-freight
- All Repairs will be tested and calibrated to ensure the highest quality repairs

TOOL RENTALS

- 50% of all rentals will be applied as a discount toward new purchases for 12 months after rental period
- 100% of all rental fees will be applied if purchasing the same equipment
- User training for first time rentals is FREE of all cost
- Return freight charges are FREE
- Rental tools are guaranteed to perform and are subject to the FREE loaner tool policy of HYTORC

- ◆ Money-Back Guarantee for leak-free/failure-free startup using new technology
- ◆ 100% Satisfaction Guaranteed



Why HYTORC?

BECAUSE HYTORC SUPPORT IS WORLDWIDE





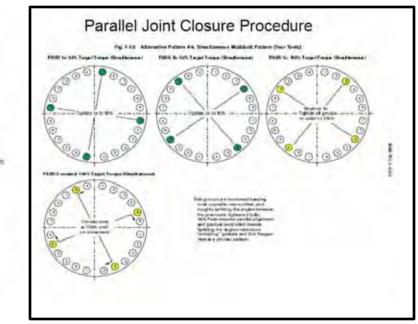
THE HYTORC WASHER™

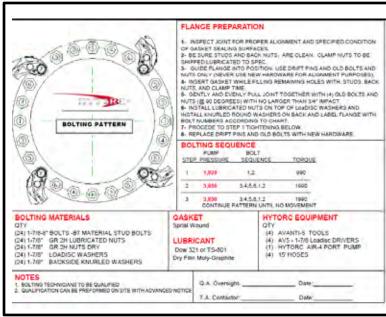
Applications and Case Studies from Various Industries





THE HYTORC WASHER





A Revolution in new standards, developed by HYTORC and recommended by ASME-PCC-1-2010



Certified Leak-Free in 40 Minutes

Quality Procedures and Records







Quality Procedures and Records

Ultrasonic & leaking TIME SAVINGS: 3 hours 30 minutes

REACTORS HYTORC Washer Installations



Reactor Head-Sealed in just 35 Minutes-Hands-Free

Quality Procedures and Records







Flange make up in ½ the time.

Quality Procedures and Records



For all Pressure Vessels

Quality Procedures and Records







Reactor Outlet Flanges-15 Minutes

Quality Procedures and Records

REACTORS HYTORC Washer Installations



INVERTED REACTOR OUTLET

(32) 1-1/2" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 27 MINUTES

IN THE PAST: 2 HOURS 54 MINUTES

OVER 2 HOURS OF TIME SAVED!







Reactor Elbows: 1 Craft, Hands Free

Quality Procedures and Records



Quality Procedures and Records







REACTOR DOME

(84) 1-5/8" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 5 HOURS 15 MINUTES

IN THE PAST: 18 HOURS 10 MINUTES

OVER 13 HOURS OF TIME SAVED!

REACTORS HYTORC Washer Installations



REACTOR INLET JOINT

(32) 1-5/8" BOLTS (4-Tool Parallel Joint Closure)

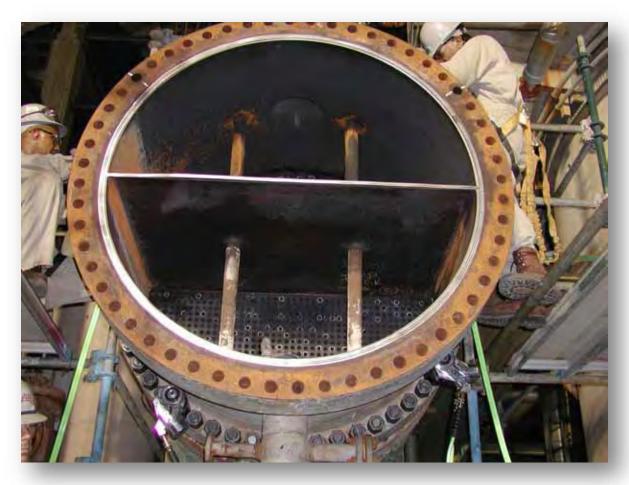
HYTORC: 1 HOURS 50 MINUTES

IN THE PAST: 5 HOURS 50 MINUTES-LEAKING

OVER 4 HOURS OF TIME SAVED!







CHANNEL HEADS

(56) 1-5/8" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 5 HOURS 15 MINUTES

IN THE PAST: 15 HOURS

OVER 9 HOURS OF TIME SAVED!



DOLLAR PLATES

(56) 1-5/8" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 4 HOURS 15 MINUTES

IN THE PAST: 14 HOURS 10 MINUTES

OVER 9 HOURS OF TIME SAVED!







BELL HEADs Completed in half the time



CHANNEL HEADS

(16) 2-1/2" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 35 MINUTES

IN THE PAST: 2 HOURS 40 MINUTES

OVER 2 HOURS OF TIME SAVED!







CHANNEL HEADS

(64) 1-3/8" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 1 HOUR 50 MINUTES

IN THE PAST: 2 HOURS 40 MINUTES

HEAT EXCHANGERS HYTORC Washer Installations



DOLLAR PLATES

Quality Procedures and Records

(64) 1-3/8" BOLTS (4-Tool Parallel Joint Closure)

HYTORC: 1 HOUR 5 MINUTES

IN THE PAST: Leaking with Bellville Washers







Vertical Exchanger (36) 1-5/8" bolts in under 50 minutes



Exchanger Bell-Head, warped from past impacting Solution-Parallel Joint Closure.



HEAT EXCHANGERS HYTORC Washer Installations



REDUCTION EXCHANGER
(32) 1-5/8" BOLTS (4-Tool Parallel Joint Closure)
HYTORC: 1 HOUR 30 MINUTES

IN THE PAST: 5HOURS

HEAT EXCHANGERS HYTORC Washer Installations



Vertical Exchanger Dollar Plate Bolting: 1 Man-1Hour







Vertical Exchanger Nozzle Limited Access, No Problem



TUBE INLET-Pinch Point Free







SHELL INLET-Via Remote Control



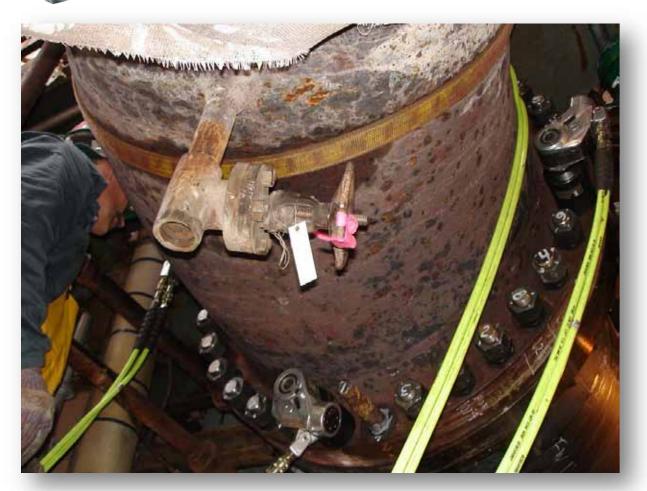
HYDROGEN OUTLET, Previously Leaking. Solution: 2 Craft & Parallel Joint Closure







REACTOR OUTLET-AKA: Bad Actor
This Joint Needed a Solution, not a quick fix



PRE-HEATER OUTLET: Previously Leaking







INLET HEADERS: Installed with HYTORC Precision



DUMP NOZZLE Bolting Made Simple







VAPOR LINE MANWAY Bolted Hands-Free



60" REACTOR MANWAY (44 Bolts)

HYTORC: 2 hours 30 minutes leak-free

IN THE PAST: 8 hours 0 minutes - Ultrasonic & leaking

TIME SAVINGS: 5 hours 30 minutes







REGENERATOR DOME MANWAY
Bolted in 1 Hour with 1 Craft



16" MANWAY

1 Craft -1 QA: Completed and Documented in 30 Minutes







REGENERATOR MANWAY
When it's that Easy, everyone gets a Break!



60" R-2 REACTOR MANWAY
Parallel Joint Closure Applied
Hands-Free via Remote Control







REACTOR MANWAY COVER (48 bolts)
HYTORC: 3 hours 10 minutes leak-free
IN THE PAST: 7 hours 18 minutes leaking.

TIME SAVINGS: 4 hours 8 minutes



REACTOR INLET MANWAY (24) 1-1/8" Bolts: Completed In just 30 Minutes







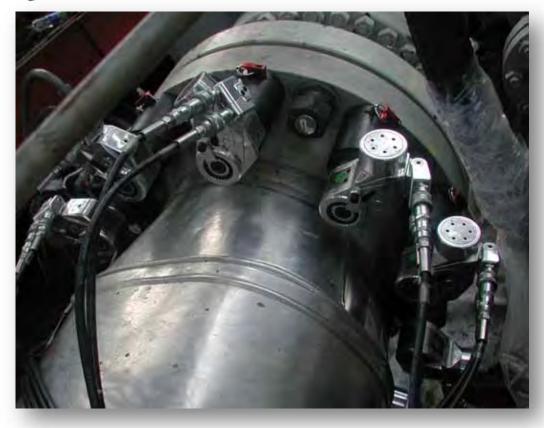
PRESSURE REDUCTION VALVE
50% Coverage applied for precision closure



SDV INLET VALVE- 50% CoverageWhen it has to get done in 20 Minutes







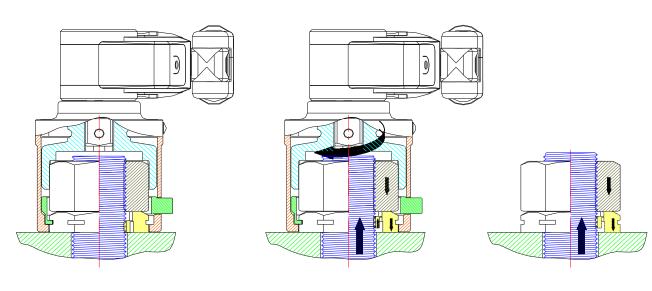
SDV OUTLET VALVE



SDV OUTLET VALVE



THE HYTORC WASHER HOW DOES IT WORK?





The HYTORC Torque Machine can be equipped with an inner and an outer socket. The nut is dry-lubed to reduce the usual frictional scatter. The inner socket turns the nut and the outer socket locks on to the economical HYTORC washer underneath the nut. Hands-free operation in any position and a reliable facial friction of the nut is assured.

Action and reaction become coaxial. The usual friction-causing side load is eliminated.

A threaded segment in the inside of the HYTORC washer creates a counter-nut effect with the nut thread. It stops the bolt from turning with the nut. Further turning of the nut creates an axial bolt elongation, which pulls along the thread segment in the inside of the washer.

The counter-nut effect remains intact throughout the assembled state of the fastener, so that despite the use of a low-friction, dry lubricant, inadvertent nutloosening is eliminated.

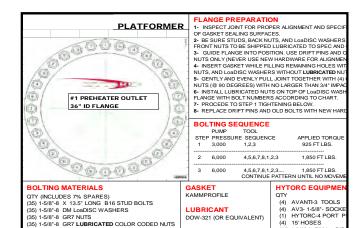
An inexpensive ASTM compliant washer perfects bolting by providing even bolt load within 10% without affecting the integrity of your fastener.











BOLTING TECHNICIANS TO BE QUALIFIED
 QUALIFICATION CAN BE PREFORMED ON SITE WITH ADVANCED NOTICE
 CALL 610-247-8000 FOR A SSISTANCE





(35) 1-5/8"-8 DM LoaDIS

Q.A. SUPERVISOR: HYTORC

T/A CONTRACTOR: JJ WHITE





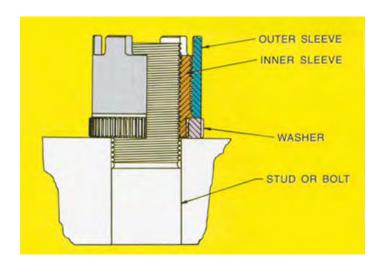




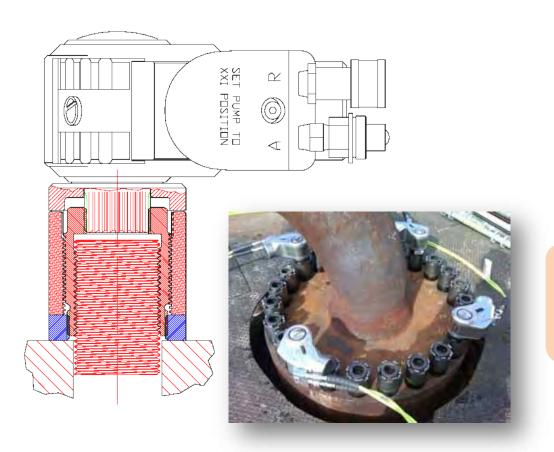
THE HYTORC NUT™

HOW DOES IT WORK?

THE HYTORC NUT HOW DOES IT WORK?



THE HYTORC NUT® has an Inner Sleeve, an Outer Sleeve and a Washer, which is spline-connected with the Inner Sleeve. Inner Sleeve and Washer have a higher turning friction than Outer Sleeve. When a Precision HYTORC reacts on the Inner Sleeve or the Washer and acts on the Outer Sleeve, only the Outer Sleeve turns. This raises the Inner Sleeve. As the Outer Sleeve turns at a known coefficient of friction, the bolt is stretched without sideload or torsion to the desired calibrated bolt load within 5%.







HYTORC Nut Installation



REACTOR HEAD



HYTORC Nut Installation



EXCHANGER OEM-HEADER FLANGE





HYTORC Nut Installation



EXCHANGER – CHANNEL HEAD

Nut Nut



HYTORC Nut Installation



STEAM VALVES

NEW METHOD: PARALLEL JOINT CLOSURE (16) 1-3/4" BOLTS – NEW TIME: 35 MINUTES

OLD METHOD-PREVIOUS TIME: 6 HOURS 10 MINUTES

OVER 5 HOURS OF TIME SAVED!



HYTORC TORQUE TECHNOLOGY

HYTORC TORQUE TECHNOLOGY



84" JOINT-Loaded with 11 Tool System

HYTORC Torque Technology







Hands Free - Parallel Joint Closure



The Installation Process from Start to Finish

From Survey to Leak-Free Startup!

1



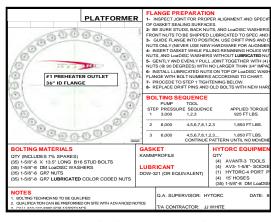


HARDWARE INSPECTION

INSTALLATION



2



FLANGE PREPARATION



START UP

PROCEDURES



CERTIFICATES AND RECOMMENDATIONS





Confirmation

This is to confirm that

Hytorc Devision Unex Corporation,
Jetyd Corporation
333 route 17 north
USA - 7430 Mahwah, New Jersey

having satisfied the criteria of a QA system survey performed on the basis of

Standard KTA 1401

fulfills the conditions for

planning (design) and manufacturing of tools and other products to achieve the desired bolt tension with precision on safety related components in the nuclear industry.

The confirmation is valid until

October 21, 2011

provided that the conditions underlying the evaluation have not changed.

Evaluation details are given in report STE-G/2008/en/0097.

AREVA NP GmbH

Erlangen, November 6, 2008

Graber Managing Directo

Relmann Head of Department



KOREA HYDRO & NUCLEAR POWER CO., LTD

KORI NUCLEAR POWER SITE

Notification

To Messrs. Hytorc Division Unex Corporation

This is to notify that Messrs. Hytorc Division Unex Corporation have Successfully installed its Clamp Nuts into the turbine casing of Korea Hydro & Nuclear Power Co., Ltd., KORI Nuclear Power Site (KHNP). KHNP recommends that Hytorc Clamp Nuts are satisfactorily used for the same purpose.

Address: 333 Route 17 North, Mahwah, New Jersey 07430 USA

Scope : Clamp Nuts

Date of Notification : July 15, 2010

Notified by

Lee, Seung-Yong Manager Korean Quality Master

Korea Hydro & Nuclear Power Co., Ltd.





CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of

HYTORC Division UNEX Corporation ADBA JETYD Corporation Mahwah, New Jersey, USA

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards

150 9001:2008

The Quality Management System is applicable to:

Design, Management of Manufacture and the In-house Service and Repair of Hydraulic Torque Wrenches, Links, Pumps, Sockets, Control Systems, One-off Tools for Special Applications, Load Disc, Three Piece Clamp Assemblies and Pneumatic Torque Guns.

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval arc listed.

Approva Certificate No: UQA 0103383 Crigina Approvall November 8, 1994 Current Certificate: June 6, 2010 Certificate Expiry: November 13, 2012

Sara Cluster
Issued by Hoyd's Register Quality Assurance, Inc.



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MITSUBISHI HEAVY INDUSTRIES, LTD. POWER SYSTEMS HEADQUARTERS TAKASAGO MACHINERY WORKS

Certificate for Authorization and Registration

To Messrs. Hy	ore Division Unex Corporation
This is to certify and	nortify that Messrs. Hytere Division Unex Corporation
	sed the evaluation on their quality assurance ability performed
	Industries, Ltd. Takasago Machinery Works (MHI) on the basis are requirements and have been approved by MIII to
	the ability of the required quality assurance and been registere
as such.	and thomas of the residence defends and the residence of
Address : 333 Route	17 North, Mahwah, New Jersey 07430 USA
Score - CLAVP NIII	
Scope : CLAY MIT	S.
Scone : CLAYP MII	S
	From 14 October 2008 to 31 October 2011
Date of Valldity :	From 14 October 2608 to 31 October 2011
Date of Valldity :	From 14 October 2608 to 31 October 2011
Date of Valldity :	From 14 October 2608 to 31 October 2011
Date of Valldity : Date of Authorization	From 14 October 2008 to 31 October 2011 : 14 April 2008
Date of Valldity : Date of Authorization	From 14 October 2608 to 31 October 2011 : 14 April 2004 SJNOUK General Manager.
Scone : CLAY MIT Date of Valldity : Date of Authorization Authorized by :	From 14 October 2008 to 31 October 2011 : 14 April 2008





Reduction of Maintenance Time by using HYTORC® Fastening Elements

Scope of Supply

The duration of maintenance or inspection activities can in many cases be considerably reduced by optimization of the fasteners. Our intention is to prevent the replacement of overstressed or damaged holts, the neworking of surfaces, additional maintenance time, which is caused by the connection operations, and also to reduce the time required for such operations.

Siemens Power Generation and HYTORC® have concluded a master agreement to implement HYTORC® fastener solutions for different areas of application on power plants.

Main areas of application for HYTORC® fastening elements

The concept includes the replacement of cap nuts, round nuts and hexagonal nuts with HYTORC® Clamp Nuts or HYTORC® Smart Studs.

Valves

These are among the most serviceintensive components of a turbine. Shortening the screw-in time can directly affect the duration of the downtime

■ Turbine casing

By using HYTORC® fasteners up to two days of turbine inspection duration can be saved for botting and unbolting process of the casing. This can be especially important, if turbine maintenance requires more time than maintenance of the other components included in the revision scope

Coupling

Coupling bolts in combination with HYTORC® Clamp Nuts are stretched to the required pretensioning force without torsional or lateral loading. Use of this combination not only speeds up the connecting operation, it also limits potential impact on the turbine shaft, and a crane is not required

Bearing housing

Bearing play adjustment is simplified due to the transverse-force-free screw-in action

Flange bolts

All relative movements take place within the HYTORC® fastening elements, which protects the bolts and the contact surfaces. This is particularly important with ductile pressure vessels and flange materials.

As a general rule, nearly all bolts can be optimized using HYTORC® fastening elements. The most important advantages are achieved, when the duration of an outage can be minimized by the connection task, and when damage to stud bolts and contact surfaces due to frequent connecting operations can be avoided.



Fig. 1: Main areas of application for HYTORC® fastening elements

Corrective & Preventive Maintenance - Steam Turbine

Power Generation

Service

SIEMENS





800-219-9095

Fax: 800-219-9096 E-mail: sales@labtesting.com

2331 Topaz Drive, Hatfield, PA 19440

July 27, 2010

Mr. Koshy Sachariak. Quality Manager Jetyd Hytorc Corporation 333 Route North Mahwah, NJ 07430

Reference: Quality Assurance Audit/Survey, July 20, 2010 - Audit No. Hytorc-2010-01

Dear Mr. Sachariak:

On July 20, 2010, Laboratory Testing, Inc. conducted an Audit / Survey to approve Hytorc as a source to calibrate Hytorc equipment.

The audit focused on the implementation of Hytoro's Quality Manual Version 1.0, dated 1/07/2010. Verification of conformance to the above manual was completed using an audit / survey checklist to document the supporting objective evidence and there were no discrepancies found.

Hytoro's Quality Manual complies with the requirements of Laboratory Testing, Inc. Quality Program and is approved and placed on our Approved Vendors List. This approval will remain in effect for three years with acceptable annual evaluations.

We would like to take this opportunity to thank you for the time and courtesy extended to the lead auditor.

Yours truly,

Donald J. DiFilippo Lead Auditor Laboratory Testing, Inc. Approved by,

Frank Peszka C QA Manager / Lead Auditor Laboratory Testing, Inc.

Materials Testing • Nondestructive Testing • Specimen Machining • Failure Analysis • Calibration





PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc., bas assessed the Laboratory of:

HYTORC, Division UNEX Corp 333 Route 17 North, Mahwah, NJ 07430 120 Wesley Street, South Hackensack, NJ 07606 222 Burgess Drive, Suite #1, Broussard, IA 70518 1105 East Broadway, Sweetwater, TX 79556

("Floretrafter called the Organization") and hereby declares that Organization is accordated in accordance with the recognized Pnternational Chanderd.

ISO/IEC 17025:2005

This accreditation demonstrates technical compaisnes for a defined scope and the operation of a laborating quality management system
(as outlined by the joint 9509LENC-9AT Communique dated January 2009)

Calibration of Hydraulic Pneumatic Torque Wrenches and Hydraulic Pressure Gauge (As detailed in the supplement)

Cuch lesting and/or calibration services shall only be offered at or from the address given above. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization bereby coverants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Livey Lymper

The palidity of this certificate is mandated through ongoing surpeillance

110,140

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory Accreditation, Inc. (PILA) 755 W. Big Beaver, Suite 1325 Troy, Michigan 48084 September 18, 2010

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Page 1 of 3

Det Norske Veritas North America



MANUFACTURER'S REPEAT APPROVAL

Continuation of manufacturing according to AD-Standard W0 / TRD 100 pertaining to audit report No.: 1216 dated January 31, 2008

JETYD 120 Wesley Street South Hackensack, New Jersey 07606 USA

- We hereby confirm, with respect to the scope of approval listed in the annex, that the manufacturer's qualification pursuant to AD-Standard W0 / TRD 100 has been fulfilled.
- 2. According to our audit report # 1216 dated January 31, 2008, JETYD has the following:
- 2.1 Equipment and capability, that allows state of the art production and testing in accordance with applicable requirements.
- 2.2 A quality assurance system safeguarding the handling and processing of materials listed in the annex and to guaranteeing compliance with the relevant requirements.
- 2.3 Qualified personnel for supervision and testing, including works inspectors.
- JETYD is obligated to notify the DNV inspector of essential changes or alterations regarding
 an expansion of the scope of approval, employment of new production processes and
 changes in supervisory and testing personnel and works inspectors. This may require a new
 facility audit and evaluation. The costs for such audits will be charged to JETYD, 120 Wesley
 Street, South Hackensack, New Jersey 07606 USA.
- 4. This approval expires December 2008 and is subject to the provisions of the agreement set fourth in the application. The validity may be extended upon request. The DNV inspector is entitled to verify compliance with the requirements in case of doubt at any time (i.e. audit). The costs for such audits will be charged to JETYD, 120 Wesley Street, South Hackensack, New Jersey 07608 USA.

The conditions imposed in the Audit Reports previously issued remain effective.

Chicago, IL; May 30, 2008

Thomas Schmidt, Tel.: +1-312-243-3232



BASF Aktiengesellschaft 67056 Ludwigshafen

BASF

Materials Engineering

Summary

The machine parts DISC and CLAMP developed by Hytorc were compared on the bolting apparatus developed in WLF/FF using normal DIN nuts.

In addition, two wrenches were tested, one was a Hytorc product that had a coarse-toothed ratchet with a torsion retention ratchet system, and the comparable product had a fine-toothed ratchet without a torsion retention ratchet system. The experiments showed that when the CLAMP is used, the bolts are elongated absolutely free of torsion and lateral load with only very small scatter.

With the completely newly developed DISC we found that it, like the CLAMP, allows bolting without support. The scatter is extremely small, and the ratio of longitudinal force to torsional moment is similar to that of DIN mits.

Static tensile tests and dynamic fatigue tests showed that CLAMP and DISC do not cause weakening and that the failure site and type are similar to those for normal bolt connections.

Ullen

Client Mr. Junkers Hytorc Krailling Account code: 55108587 Order:

Pages of text: 14 Pages of figures: 11 Attachments: 0

Wood Group Colombia S.A.

WOOD SHOULD

Bogota, 26 of June 2007

Sr. WOOD GROUP

Ref.: Letter of Endorsement

Ora 11 A#93 - 67 Of. 501 Bogota, Colombia A.A. 253723

Tel: +57 (1) 621-2425 Fax: +57 (1) 621-2264

For more than ten years HYTORC has been supporting Wood Group Colombia, in our maintenance activities with BP. They have been invaluable in helping us ensure the high standards of efficiency, quality and safety that we and our clients demand.

Recently HYTORC introduced their Load Disc technology to our operations. The Load Disc was used successfully on the latest turnaround at BP Cupiagua Production Facility on May 17-18, 2007. This outage had a potential impact of USD 3 million per day in lost production at risk.

The work performed by HYTORC with their new bolting system involved the removal and replacement of two critical valves. The result was a reduction of <u>20 hours</u> in the turnaround vs. the previous time.

In addition we identified the following advantages and results from the new HYTORC Load Disc methodology:

- · No leaks at startup or since
- Safety advantages which avoided botting accidents because the Load Disc is a hands-free tool

Our experience with HYTORC has been most satisfactory. Their achievement helped us perform our maintenance much faster, with much greater safety and with zero leaks and full flange integrity.

Sincerely

GENERAL-MANAGER O&M Wood Group Colombia S.A.

Revisión No. 0

Fecha de Revisión: 30/11/2005

Página 1 de 1

Documento Impreso No Controlado

Notes

Notes

TORQUE / TENSION TOOLS



Contact HYTORC, Division UNEX Corporation 333 Route 17N, Mahwah, NJ 07430. USA

Tel.: +1 201 512-9500 Fax: +1 201 512-9615

Email: info@hytorc.com Web: www.HYTORC.com



HYDRAULIC, 10,000 PSI PUMPS

Contact HYTORC, Division UNEX Corporation

333 Route 17N, Mahwah, NJ 07430. USA

Tel.: +1 201 512-9500 Fax: +1 201 512-9615

Email: info@hytorc.com Web: www.HYTORC.com





HYTORC NUT & HYTORC WASHER

Contact: JETYD Corporation

120 Wesley Street, South Hackensack, NJ 07606

Tel.: +1 201 343-4570 Fax: +1 201 828-5224

Email: info@jetyd.com Web: www.JETYD.com





