



SHIP TO: 14901  
 WEATHERFORD (GEMOCO)  
 8920 POINT SIX CIRCLE DR  
 HOUSTON TX 77095  
 UNITED STATES



PAGE  
 1 of 1

**SALES ORDER ACKNOWLEDGMENT**

Order Number: 5430572 ST  
 Order Date: JAN 15 2010  
 Related P.O.: 0566641  
 Location: 10276 SCHRIEVER  
 Phone No.: 985.493-6100  
 Fax No.: 985.493-6290  
 Miscellaneous: END USER: NEXEN  
 Enode No.: E10012

BILL TO: 3  
 WEATHERFORD U.S., L.P.  
 515 POST OAK BLVD  
 SUITE 600  
 HOUSTON TX 77027  
 UNITED STATES

76-0486916

TERMS		ORDERED BY		ENTERED BY		
Net 30 days				SCHAFF, KEITH A		
SHIPPING TERMS		SHIPPING INSTRUCTIONS				
EXW Ex Works						
LINE NO	ITEM NUMBER DESCRIPTION	UOM	QTY	UNIT PRICE	EXTENDED PRICE	
4.000	Legacy #: M222W70H513H12A003 Part #: 1366511 SHOE, GUIDE 7 M222W CONC CMPST HCQ125 HYDL 513 32.0 Request Date : JAN 29 2010 Sched Ship Date : FEB 05 2010 7" MOD M222W H513 HCQ125 32 NEXEN DEEPWATER INSPECTIONS M222W070H513H12A00?? END USER: NEXEN GREEN CANYON 512#2 (KNOTTY HEAD #2)	EA	1.00	2,113.3473	2,113.35	N
				27824691		
5.000	Legacy #: M45AP70H513H12A001 Part #: 1366513 COLLAR, FLOAT 7 M45AP HCQ125 NR HYDL 513 32.0 Request Date : JAN 29 2010 Sched Ship Date : FEB 05 2010 7" MOD M45AP H513 HCQ125 32 2" BALL 5-7 BPM NEXEN DEEPWATER INSPECTIONS M45AP70H513H12A00?? END USER: NEXEN GREEN CANYON 512#2 (KNOTTY HEAD #2)	EA	2.00	4,008.1804	8,016.36	N
				27824721		
6.000	Legacy #: 541R070H513H12A005 Part #: 1366204 SUB, CENT ROT 7 541R HCQ125 HYDRIL 513 32.0 10.75 OD Request Date : JAN 29 2010 Sched Ship Date : FEB 05 2010 7" MOD 541R H513 HCQ125 32# 10.750 OD DRIGT 6.00 FOR 10. 5/8" O.H. NEXEN DEEPWATER INSPECTIONS 541R070H513H12A00?? END USER: NEXEN GREEN CANYON 512#2 (KNOTTY HEAD #2)	EA	6.00	3,092.7396	18,556.44	N
				27824763		
Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/t&c shall be applicable to the provision of such equipment, materials or services. [A paper copy of these standard terms and conditions will be provided to you upon your written request.]				SUBTOTAL	28,686.15	
				SALES TAX	0.00	
				TOTAL (USD)	28,686.15	



**Weatherford**  
Completion & Oilfield Services

## CERTIFICATE OF COMPLIANCE

CUSTOMER PO# 05666641

WEATHERFORD 5430572

Weatherford hereby certifies that the items under the referenced purchase order number has been manufactured to the requirements of the purchase order and that all technical and quality requirements established in the purchase order have been met.

QTY	DESCRIPTION
1	1366511 SHOE, GUIDE 7 M222W CONC CMPST HCQ125 HYDL 513 32.0

NAME: *Dave J. Oliver* 2/2/2010

Quality Control Department



**Weatherford**  
Completion & Oilfield Services

## CERTIFICATE OF COMPLIANCE

CUSTOMER PO# 05666641

WEATHERFORD 5430572

Weatherford hereby certifies that the items under the referenced purchase order number has been manufactured to the requirements of the purchase order and that all technical and quality requirements established in the purchase order have been met.

QTY	DESCRIPTION
2	1366513 COLLAR, FLOAT 7 M45AP HCQ125 NR HYDL 513 32.0

NAME: Walej Oliver 2/2/2010

Quality Control Department



## CERTIFICATE OF COMPLIANCE

CUSTOMER PO# 05666641

WEATHERFORD 5430572

Weatherford hereby certifies that the items under the referenced purchase order number has been manufactured to the requirements of the purchase order and that all technical and quality requirements established in the purchase order have been met.

QTY	DESCRIPTION
6	1366204 SUB, CENT ROT 7 541R HCQ125 HYDRIL 513 32.0 10.75 OD

NAME: *Dale Olwin* 2/2/2010

Quality Control Department



**PREMIUM CONNECTIONS  
CERTIFICATE OF CONFORMITY**

Manufacturing Plant Location:  
Westwego

CERT No. AC05-403923

DATE 1/29/10

Page: 1/1

Client	Weatherford Gemoco	WOF# 27824691	P.O. 5689787	Guidle Shoe Model M222W - 12.750"
Product	7.000" 32.00# HCQ125 513 Box		Length Range	Accessory
Sales Order	786001	Work Order	403923	Quantity (PCS)
			1	1

**PROCESS CONTROL AND CERTIFICATION RESULT**

PROCESS NO.	PROCESS	CERTIFICATION RESULT	QUANTITY (PCS)	STANDARDS / SPECIFICATION
1	Receiving - Check In	OK	1	Tenaris - Hydril Connection
2	Thread Box	OK	1	Tenaris - Hydril Connection
3	Inspect Box	OK	1	Tenaris - Hydril Connection
4	Phosphate Box	OK	1	Tenaris - Hydril Connection
5	Final Inspect Box	OK	1	Tenaris - Hydril Connection

This product may be covered by one or more of the following patents, US3338074, US3360240, US423579, US5454605, US5794985, US6009611, US6050610, US6123368, US6158785, US6174001, US6206436, US6270127, US6530607, US6550822, US6554287, US6596121, US6607220, US6622797, US6626471, US6695357, US6976711, US7014212, US7114751, US7156676, US7191841, US7243957, US7326015, US7380840, US7383888, US7458616, US7469938, US7473917, US7478842, US7497481, US7500698, US7527304, equivalent in other countries and other patents pending.

TENARIS PREMIUM CONNECTIONS QUALITY DEPARTMENT SIGNATURE

ISSUED BY	Gary J. Richoux	APPROVED BY	Henry Exsterstein
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# Tenaris

## PREMIUM CONNECTIONS CERTIFICATE OF CONFORMITY

Manufacturing Plant Location:  
Westvego

Client	Weatherford Gemoco	CERT No. AC05-403924	DATE 1/29/10	Page: 1/1
Product	7.000" 32.00# HCC125 513 Box X pin	WO# 27824721	2-Float Collars Model M45AP - 30"	
Sales Order	786001 Work Order	403924	6-Centralizer Subs Model 541R - 49"	
			Accessory	
			Quantity (PCS)	8

### PROCESS CONTROL AND CERTIFICATION RESULT

PROCESS NO.	PROCESS	CERTIFICATION RESULT	QUANTITY (PCS)	STANDARDS / SPECIFICATION
1	Receiving - Check In	OK	8	Tenaris - Hydril Connection
2	Thread Box	OK	8	Tenaris - Hydril Connection
3	Inspect Box	OK	8	Tenaris - Hydril Connection
4	Thread Pin	OK	8	Tenaris - Hydril Connection
5	Inspect Pin	OK	8	Tenaris - Hydril Connection
6	Phosphate Box	OK	8	Tenaris - Hydril Connection
7	Phosphate Pin	OK	8	Tenaris - Hydril Connection
8	Final Inspect Box	OK	8	Tenaris - Hydril Connection
9	Final Inspect Pin	OK	8	Tenaris - Hydril Connection

This product may be covered by one or more of the following patents: US5338074, US5360240, US5423579, US5454605, US5794985, US6009611, US6050610, US6123368, US6158785, US6174001, US6206436, US6270127, US6530607, US6550822, US6554287, US6596121, US6607220, US6622797, US6626471, US6695357, US6976711, US7014212, US7114751, US7156676, US7191841, US7243957, US7326015, US7380840, US7383888, US7458616, US7469938, US7473917, US7478842, US7497481, US7500698, US7527304, equivalent in other countries and other patents pending.

TENARIS PREMIUM CONNECTIONS QUALITY DEPARTMENT SIGNATURE

ISSUED BY	Gary J. Richoux	APPROVED BY	Henry Exsterstein
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# DELTA INSPECTION CO. of HOUMA, Inc.

P. O. Box 9219 HOUMA, LA 70361 PHONE (985) 851-5300

## INSPECTION REPORT 5689788

CUSTOMER: WEATHERFORD PO#: 5689788 JOB #:  
INSPECTOR: GLYNN MATHERNE NDE LEVEL: II DELTA JOB#: B210-003  
DATE: 02/01/2010 MATERIAL GRADE: HCQ-125  
SPECIFICATION: QOP 809 REV C

WET: X AC: CONTINUOUS: X AMP TURNS: 12000 SANDBLASTED:  
DRY: DC: X RESIDUAL: CIRCULAR AMPS: 3000 DEMAG: X

MAG UNIT: MagWerks PSF-1446 UV LAMP: Spectroline Model SB-100P SOLUTION: Magnaflux Magnaglo 14A  
UNIT SN#: 010802 UV METER: Spectroline Model DM-365X BATH STRENGTH: .3 % per 100ml TUBE  
UNIT CAL DUE DATE: 07/13/10 INTENSITY: 2,450uW/cm<sup>2</sup> BATCH: 06L056  
SOLUTION COLOR: Yellow/green  
SCOPE OF EXAMINATION: WET MAG BI-DIRECTIONAL FULL LENGTH & DRIFT

DESCRIPTION	QUANTITY	RESULTS	DRIFT
FLOAT COLLARS WFD/01 WO # 27824721-01 THRU 02 7" HYD 513 HCQ-125 32.0# MOD. M45AP ID: 6.020 HT # 986142/89734	2	2 EA MT-OK	2 DRIFT-OK
GUIDE SHOE WFD/01 WO # 27824691-01 7" HYD 513 HCQ-125 32.0# MOD: M222W ID: 6.024 HT # 986142/89734 JT. # 7	1	1 EA MT-OK	1 DRIFT-OK
CENTRALIZER SUBS WFD/01 WO # 27824763-01 THRU 06 7" HYD 513 MOD 541R HCQ-125 ID: 6.024 HT # 986142/89734 JT. # 31	6	6 EA MT-OK	6 DRIFT-OK

DRIFT WITH 6.000" OD DRIFT

END USER: NEXEN  
WELL OR PROJECT: GRREEN CANYON 512#2 (KNOTTY HEAD #2)

REF: DW (THIRD PARTY)

Inspector: Glynn Matherne NDE level II Cost: \_\_\_\_\_ Total: \_\_\_\_\_  
3rd Party Representative: W. J. [Signature] 07C 2/1/10 Customer Representative: \_\_\_\_\_

**DELTA INSPECTION CO. of HOUMA, Inc.**

P. O. Box 9219 HOUMA, LA 70361 PHONE (985) 851-5300

**INSPECTION REPORT**

**5689788A**

CUSTOMER: GEMOCO PO#: 5689788 JOB #: NONE  
INSPECTOR: GLYNN MATHERNE NDE LEVEL: II DELTA JOB#: B210-003  
DATE: 02/01/2010 MATERIAL GRADE: STEEL  
SPECIFICATION: QOP-809 REV C, WT-103 REV A

WET: X AC: X CONTINUOUS: X AMP TURNS: SANDBLASTED: YOKE: X  
DRY: DC: RESIDUAL: CIRCULAR AMPS: DEMAG: X

MAG UNIT: AC YOKE UV LAMP: SOLUTION: Magnaflux 7C  
UNIT SN#: 885 UV METER: BATH STRENGTH: 2.0 % per 100ml TUBE  
UNIT CAL DUE DATE: 7/13/09 INTENSITY: BATCH: 07J052  
SOLUTION COLOR: BLACK

SCOPE OF EXAMINATION: WET MAG BI-DIRECTIONAL WELD AREAS

DESCRIPTION	QUANTITY	RESULTS
BOW SPRING WO# 27824763	6	ALL WELDS-MT-OK

REF:DW

Inspector: *Glynn Matherne* NDE level II Cost: \_\_\_\_\_ Total: \_\_\_\_\_  
3rd Party Representative: *WV/PTO - DTC 2/1/10* Customer Representative: \_\_\_\_\_



# Delta Inspection Co. of Houma

## REPORT OF NONDESTRUCTIVE EXAMINATION

KT 25877

CUSTOMER: *Parby*  
*Parby 208-788*

DATE OF TEST: *2/2/10*

JOB REFERENCE:

OBSERVER:

SPECIFICATION: *SAF 804-1000*

ACCEPTANCE MARK: *100%*

SCOPE OF EXAMINATION: *Welds*

MATERIAL:

MAGNETIC PARTICLE		LIQUID PENETRANT	
WET: <input checked="" type="checkbox"/>	DRY: <input type="checkbox"/>	CONTINUOUS: <input checked="" type="checkbox"/>	BRAND: _____ TYPE: _____
A/C: <input checked="" type="checkbox"/>	D/C: <input type="checkbox"/>	RESIDUAL: _____	VISIBLE: _____ FLUORESCENT: _____
AMP TURNS: _____	CIRCULAR AMPS: _____	BATCH NO. _____	MINUTES _____
YOKE: <i>74-8</i>	DEMAGNETIZED: _____	PENETRANT: _____	REMOVER: _____
U.V. LAMP INTENSITY: _____	uW/cm <sup>2</sup> _____	DEVELOPER: _____	_____
BATH STRENGTH: <i>3</i>	% PER 100 ml TUBE _____		

ITEM	QUANTITY	DESCRIPTION	RESULTS OF EXAMINATION
<i>6</i>	<i>6</i>	<i>6 Bumpings for 7 centimeters</i>	<i>All welds are mt-ok</i>

*Welds  
etc.  
2/2/10*

Technician: *[Signature]* NDE Level: *II* Assistant: \_\_\_\_\_ NDE Level: \_\_\_\_\_

Travel Hours: \_\_\_\_\_ Work Hours: \_\_\_\_\_ Standby Hours: \_\_\_\_\_ Total Hours: \_\_\_\_\_ Rate: \_\_\_\_\_ Total \$: \_\_\_\_\_

**Nothing herein shall be construed to be a guaranty against loss occasioned by failure of the structure upon which the examination is made.**

Customer Representative: *[Signature]*

STAR PRINTING, INC. #9973



VALLOUREC & MANNESMANN TUBES

**V & M TCA**

3800 Fort Place  
Mustogee, Oklahoma 74403

**MILL TEST REPORT**

**ENERGY ALLOYS**

**PO# 89734**

**MO# M-087908**

**8.000" x 86.68# x (1.125") Q125(1)**

**COUPLING STOCK**

Monday, March 09, 2009

**V & M TCA LAB CERTIFICATION REPORT**

CUSTOMER: ENERGY ALLOYS  
 TCA M.O.#: M-087908  
 CUSTOMER P.O.#: 89734  
 DATE: 3/9/2009  
 ITEM: 8.000" x 82.68# x (1.125") Q125(1) Cplg Stock

**Physical Testing**

Heat #	Lot #	Piece #	Type	Orien.	Gage Width	Tensile Str.	Yield Str.	Elong. %	RA%
888142	09-0108	1W	R	L	0.504	146.2	134.9	29.8	70.0
888142	09-0108	2E	S	L	1.500	140.7	130.0	39.1	59.4
888142	09-0108	3W	R	L	0.507	145.1	133.8	20.0	68.0
888142	09-0108	4E	R	L	0.505	143.3	132.1	20.0	69.0
888142	09-0108	5W	R	L	0.506	148.7	135.5	19.0	68.0
888142	09-0108	6E	R	L	0.507	142.8	131.5	22.0	68.0
888142	09-0108	7W	R	L	0.505	147.8	138.8	20.0	68.0
888142	09-0109	8E	R	L	0.503	145.9	134.3	21.0	67.0
888142	09-0108	9W	R	L	0.508	148.5	135.8	20.0	66.0
888142	09-0108	10E	R	L	0.507	145.4	134.8	20.0	69.0
888142	09-0108	11W	R	L	0.504	145.2	134.4	20.0	67.0
888142	09-0108	12E	R	L	0.502	144.0	131.7	19.0	65.0
888142	09-0108	13W	R	L	0.507	148.5	134.8	18.0	68.0
888142	09-0108	14E	R	L	0.501	148.1	134.5	19.0	68.0
888142	09-0108	15W	S	L	1.502	143.1	132.2	38.7	55.6
888142	09-0108	16E	R	L	0.506	144.7	133.7	19.0	68.0
888142	09-0108	17W	R	L	0.502	147.1	136.8	18.0	66.0
888142	09-0108	18E	R	L	0.501	144.2	132.7	19.0	68.0
888142	09-0108	19W	R	L	0.503	145.0	133.7	19.0	66.0
888142	09-0108	20E	R	L	0.505	145.0	134.0	19.0	68.0
888142	09-0108	21W	R	L	0.502	147.5	135.9	19.0	65.0
888142	09-0108	22E	R	L	0.503	146.4	135.3	19.0	67.0
888142	09-0108	23W	R	L	0.505	148.0	139.1	20.0	67.0
888142	09-0108	24E	R	L	0.504	144.4	132.9	20.0	68.0
888142	09-0108	25W	R	L	0.508	148.7	135.1	20.0	69.0
888142	09-0108	26E	R	L	0.505	145.1	134.1	20.0	69.0
888142	09-0108	27W	R	L	0.505	148.4	135.8	20.0	68.0
888142	09-0108	28E	S	L	1.502	142.5	131.8	38.7	57.9
888142	09-0108	29W	R	L	0.504	145.9	133.9	20.0	69.0
888142	09-0108	30E	R	L	0.505	144.5	132.3	20.0	68.0
888142	09-0108	31W	R	L	0.505	145.6	134.2	20.0	68.0
888142	09-0108	32E	R	L	0.504	145.2	133.7	20.0	69.0
888142	09-0108	33W	R	L	0.504	148.0	136.5	19.0	67.0
888142	09-0108	34E	R	L	0.504	143.9	132.4	20.0	69.0
888142	09-0108	35W	R	L	0.502	148.1	137.8	20.0	68.0
888142	09-0108	36E	R	L	0.503	147.2	136.6	20.0	68.0
888142	09-0108	37W	R	L	0.503	148.9	137.7	19.0	67.0
888142	09-0108	38E	R	L	0.504	147.2	135.9	20.0	68.0
888142	09-0108	39W	R	L	0.504	149.2	139.5	20.0	69.0
888142	09-0108	40E	R	L	0.504	147.9	136.8	20.0	68.0
888142	09-0108	41W	S	L	1.504	148.2	137.2	37.7	54.9

Note: Tempering Temp: 142 minutes @ 1215°F.  
 AF Temp: 107 minutes @ 1650°F  
 EUL: 0.6536  
 Quench Medium: Water

All Properties meet the requirements of API Specification 5CT, Latest Edition. I certify that these tests were conducted in accordance with applicable specifications and that the data contained herein is true and correct.

V & M TCA Representative

Date

3-10-09

## TCA Lab Certification Report

**CUSTOMER: ENERGY ALLOYS**  
**TCA M.O.#: M-087908**  
**CUSTOMER P.O.#: 89734**  
**DATE: 3/9/2009**  
**ITEM: 8.000" x 82.68# x (1.125") Q125(1) Cplg Stock**

### 1 Quad Tempered Ring Hardness

SLN:	Lot:	Pipe#	E/W	OD. Wall			Mid Wall			ID. Wall		
986142.0	09 0108	1	W	30.0	30.4	30.4	31.6	32.1	32.1	32.0	30.4	30.7
986142.0	09 0108	2	E	31.7	32.3	32.5	31.6	31.9	31.8	31.3	30.7	31.2
986142.0	09 0108	3	W	32.0	31.5	32.6	32.1	31.9	32.1	31.1	31.4	31.3
986142.0	09 0108	4	E	31.1	31.8	31.2	31.8	31.2	31.5	31.1	31.7	30.8
986142.0	09 0108	5	W	32.1	32.7	31.5	31.9	31.8	32.6	31.2	31.5	31.6
986142.0	09 0108	6	E	31.2	30.6	30.6	31.4	32.0	32.0	31.4	31.1	31.3
986142.0	09 0108	7	W	31.1	31.4	31.4	32.3	32.1	31.9	30.9	31.9	31.9
986142.0	09 0108	8	E	31.1	31.0	30.9	32.2	31.4	30.9	29.9	31.6	31.7
986142.0	09 0108	9	W	32.5	31.8	31.5	31.0	31.3	31.8	30.5	31.4	31.7
986142.0	09 0108	10	E	31.6	30.9	30.9	31.6	31.9	32.1	31.0	32.0	31.6
986142.0	09 0108	11	W	33.1	32.1	31.7	32.0	31.7	31.7	31.9	30.7	32.3
986142.0	09 0108	12	E	31.8	31.6	31.5	31.0	32.2	31.6	31.1	30.9	30.8
986142.0	09 0108	13	W	31.8	31.7	31.6	33.2	32.3	32.3	31.0	31.1	31.4
986142.0	09 0108	14	E	32.0	31.1	31.6	31.2	31.9	31.0	31.1	31.6	31.1
986142.0	09 0108	15	W	31.9	32.0	33.0	32.3	33.1	33.0	33.1	32.3	32.0
986142.0	09 0108	16	E	30.8	31.2	32.1	31.3	31.7	32.2	30.3	31.0	30.1
986142.0	09 0108	17	W	31.0	32.3	32.7	32.0	31.8	31.8	30.7	31.6	31.9
986142.0	09 0108	18	E	31.4	30.8	30.8	30.8	31.7	32.3	31.9	31.9	30.9
986142.0	09 0108	19	W	31.7	31.8	31.8	32.0	32.1	32.2	31.4	31.9	32.2
986142.0	09 0108	20	E	30.8	31.9	30.9	31.6	32.1	32.6	31.6	30.6	30.4
986142.0	09 0108	21	W	31.6	31.9	31.9	32.1	32.4	32.1	31.1	31.8	31.8
986142.0	09 0108	22	E	32.5	31.7	31.8	32.6	32.1	32.2	31.1	31.9	32.1
986142.0	09 0108	23	W	31.6	31.9	32.2	32.3	32.8	32.3	31.4	31.8	32.1
986142.0	09 0108	24	E	31.9	31.5	31.5	32.2	31.6	32.3	31.0	31.3	30.4
986142.0	09 0108	25	W	31.4	31.1	31.6	30.9	31.9	32.6	30.8	31.4	30.9
986142.0	09 0108	26	E	30.6	31.5	31.2	32.0	32.0	32.9	31.1	30.4	31.7
986142.0	09 0108	27	W	31.6	32.0	31.7	32.2	31.8	32.5	31.9	31.5	31.7
986142.0	09 0108	28	E	30.1	29.9	31.1	32.1	32.5	32.5	32.5	31.3	31.8
986142.0	09 0108	29	W	32.4	31.7	31.7	32.3	30.6	31.8	31.2	32.5	31.4
986142.0	09 0108	30	E	31.0	31.5	30.7	32.1	31.4	31.2	31.1	31.4	31.7
986142.0	09 0108	31	W	32.4	31.8	31.9	32.1	31.8	31.5	31.7	31.1	30.9
986142.0	09 0108	32	E	31.3	30.7	30.6	32.4	31.8	31.3	31.5	31.6	30.4
986142.0	09 0108	33	W	31.9	32.4	31.9	31.5	32.0	31.2	31.4	31.8	31.1
986142.0	09 0108	34	E	31.1	31.5	31.4	32.1	32.0	31.6	31.5	30.9	31.5
986142.0	09 0108	35	W	31.8	32.7	32.2	32.8	32.6	31.9	32.1	32.5	31.7
986142.0	09 0108	36	E	32.6	31.7	32.4	31.6	32.9	32.2	32.9	31.6	30.9
986142.0	09 0108	37	W	32.1	32.7	32.4	32.3	32.4	32.1	31.5	32.3	31.8
986142.0	09 0108	38	E	31.5	32.1	31.9	32.0	32.1	32.2	31.5	31.4	30.7
986142.0	09 0108	39	W	32.3	32.4	32.5	33.1	32.6	32.6	32.0	32.1	32.9
986142.0	09 0108	40	E	31.7	32.2	32.4	31.0	32.7	32.0	30.8	31.7	31.4
986142.0	09 0108	41	W	32.5	32.7	33.2	33.3	33.0	33.3	31.8	32.6	32.8

**V & M - TCA Lab Certification Report**  
**Charpy Impacts/Lateral Expansion**

CUSTOMER: ENERGY ALLOYS  
 TCA M.O.#: M-087908  
 CUSTOMER P.O.#: 89734  
 DATE: 3/9/2009  
 ITEM: 8.000" x 82.68# x (1.125") Q125(1) Cplg Stock

Heat #	Lot #	Piece #	E/W	Dir.	Size	Temp. Deg.F	Absorbed Energy (Ft-lbs)			Avg	Shear %			Lateral Expansion (in)				
							#1	#2	#3		#1	#2	#3	Avg	#1	#2	#3	Avg
986142	09-0108	1	W	T	F	32	105	102	107	104.7	100.0	100.0	100.0	100.0	0.043	0.045	0.050	0.046
986142	09-0108	2	E	T	F	32	100	102	104	102.0	100.0	100.0	100.0	100.0	0.044	0.045	0.049	0.046
986142	09-0108	3	W	T	F	32	101	104	105	103.3	100.0	100.0	100.0	100.0	0.040	0.046	0.048	0.045
986142	09-0108	4	E	T	F	32	99	97	99	98.3	100.0	100.0	100.0	100.0	0.053	0.048	0.049	0.050
986142	09-0108	5	W	T	F	32	92	94	96	94.0	100.0	100.0	100.0	100.0	0.043	0.046	0.056	0.048
986142	09-0108	6	E	T	F	32	100	101	102	101.0	100.0	100.0	100.0	100.0	0.042	0.043	0.051	0.045
986142	09-0108	7	W	T	F	32	100	101	102	101.0	100.0	100.0	100.0	100.0	0.049	0.046	0.046	0.047
986142	09-0108	8	E	T	F	32	104	105	106	105.0	100.0	100.0	100.0	100.0	0.058	0.056	0.061	0.058
986142	09-0108	9	W	T	F	32	99	98	99	98.7	100.0	100.0	100.0	100.0	0.047	0.049	0.048	0.048
986142	09-0108	10	E	T	F	32	105	102	105	104.0	100.0	100.0	100.0	100.0	0.051	0.050	0.042	0.048
986142	09-0108	11	W	T	F	32	98	95	99	97.3	100.0	100.0	100.0	100.0	0.048	0.050	0.049	0.049
986142	09-0108	12	E	T	F	32	98	99	99	98.7	100.0	100.0	100.0	100.0	0.049	0.044	0.046	0.046
986142	09-0108	13	W	T	F	32	99	98	96	97.7	100.0	100.0	100.0	100.0	0.044	0.046	0.043	0.044
986142	09-0108	14	E	T	F	32	99	99	101	99.3	100.0	100.0	100.0	100.0	0.042	0.044	0.043	0.043
986142	09-0108	15	W	T	F	32	103	101	103	102.3	100.0	100.0	100.0	100.0	0.045	0.044	0.044	0.044
986142	09-0108	16	E	T	F	32	103	106	110	106.3	100.0	100.0	100.0	100.0	0.058	0.062	0.059	0.060
986142	09-0108	17	W	T	F	32	100	101	105	102.0	100.0	100.0	100.0	100.0	0.051	0.049	0.046	0.050
986142	09-0108	18	E	T	F	32	102	104	109	105.0	100.0	100.0	100.0	100.0	0.049	0.053	0.052	0.051
986142	09-0108	19	W	T	F	32	103	104	103	103.3	100.0	100.0	100.0	100.0	0.051	0.052	0.051	0.051
986142	09-0108	20	E	T	F	32	100	104	102	102.0	100.0	100.0	100.0	100.0	0.046	0.041	0.050	0.046
986142	09-0108	21	W	T	F	32	99	101	104	101.3	100.0	100.0	100.0	100.0	0.047	0.047	0.048	0.047
986142	09-0108	22	E	T	F	32	105	102	106	104.3	100.0	100.0	100.0	100.0	0.051	0.051	0.048	0.050
986142	09-0108	24	E	T	F	32	98	97	100	98.3	100.0	100.0	100.0	100.0	0.038	0.042	0.044	0.041
986142	09-0108	25	W	T	F	32	99	102	104	101.7	100.0	100.0	100.0	100.0	0.036	0.049	0.049	0.045
986142	09-0108	26	E	T	F	32	101	98	97	98.7	100.0	100.0	100.0	100.0	0.047	0.042	0.045	0.045
986142	09-0108	27	W	T	F	32	100	95	100	98.3	100.0	100.0	100.0	100.0	0.049	0.041	0.043	0.044
986142	09-0108	28	E	T	F	32	102	103	102	102.3	100.0	100.0	100.0	100.0	0.040	0.042	0.041	0.041
986142	09-0108	29	W	T	F	32	101	104	105	103.3	100.0	100.0	100.0	100.0	0.044	0.050	0.051	0.048
986142	09-0108	30	E	T	F	32	102	103	104	103.0	100.0	100.0	100.0	100.0	0.047	0.043	0.044	0.045
986142	09-0108	31	W	T	F	32	106	105	101	104.0	100.0	100.0	100.0	100.0	0.060	0.053	0.047	0.053
986142	09-0108	32	E	T	F	32	106	109	102	105.7	100.0	100.0	100.0	100.0	0.051	0.047	0.048	0.049
986142	09-0108	33	W	T	F	32	94	95	94	94.3	100.0	100.0	100.0	100.0	0.046	0.048	0.049	0.048
986142	09-0108	34	E	T	F	32	100	99	100	99.7	100.0	100.0	100.0	100.0	0.044	0.047	0.052	0.048
986142	09-0108	35	W	T	F	32	78	82	82	80.7	100.0	100.0	100.0	100.0	0.036	0.038	0.036	0.037
986142	09-0108	36	E	T	F	32	87	89	89	88.3	100.0	100.0	100.0	100.0	0.042	0.020	0.030	0.031
986142	09-0108	37	W	T	F	32	89	91	91	90.3	100.0	100.0	100.0	100.0	0.038	0.033	0.036	0.036
986142	09-0108	38	E	T	F	32	95	96	99	96.7	100.0	100.0	100.0	100.0	0.045	0.039	0.042	0.042
986142	09-0108	39	W	T	F	32	97	96	94	95.7	100.0	100.0	100.0	100.0	0.045	0.043	0.042	0.043
986142	09-0108	40	E	T	F	32	98	100	98	98.7	100.0	100.0	100.0	100.0	0.046	0.046	0.046	0.046
986142	09-0108	41	W	T	F	32	96	95	100	97.0	100.0	100.0	100.0	100.0	0.048	0.042	0.043	0.044

# Tuboscope

3820 POINT PLACE  
MUSKOGEE, OKLAHOMA 74403-9200

## CERTIFICATE OF NONDESTRUCTIVE INSPECTION

M.O. No. 87908 Date 2/23/2009 Unit 2 Shift 1A  
W.O./SLN M00555 / 986142

Size, Wt. 8.00" 82.68# Inspectors: A. Meza  
Grade Q-125-1  
Type Coupling Stock  
Range III  
End Finish P.E.

### NONDESTRUCTIVE INSPECTION CRITERIA

The tubular goods identified herein were inspected in accordance with specifications indicated and the standard operating procedures of Tuboscope Vetco International. All tubular goods found acceptable were identified with a white paint band; all unacceptable tubular goods were separately identified and removed from production at the point of inspection.

Inspection Specification: TUBOSCAN TYPE II

Tube Body: UT longitudinal	<u>X</u>	Wall Thickness	<u>X (87 1/2% MIN. WALL)</u>
UT transverse	<u>X</u>	UT Oblique	<u>N/A</u>
		Visual Inspection	<u>X</u>
Tube Ends: Special End Area Inspection	<u>N/A</u>		
Visual Inspection	<u>X</u>		

Identification of acceptable ONE WHITE BAND, TUBOSCAN TYPE II

Total numbers of pieces acceptable 41

Authorized Signature   
Title: Division Manager  
Tuboscope Vetco International

## TCA Lab Certification Report

CUSTOMER: ENERGY ALLOYS  
TCA M.O.#: M-087908  
CUSTOMER P.O.#: 89734  
DATE: 3/9/2009  
ITEM: 8.000" x 82.68# x (1.125") Q125(1) Cplg Stock

### AS QUENCH HARDNESS RESULTS

	QUAD 1			QUAD 2			QUAD 3			QUAD 4		
	OD	MW	ID									
HEAT: 986142	46.6	47.9	46.5	48.7	48.1	46.8	48.7	49.0	46.8	46.1	46.3	46.7
LOT# 09-0108	48.3	46.1	45.5	47.8	48.3	46.3	46.7	48.5	47.9	45.4	45.7	46.4
	45.9	46.3	46.1	45.3	49.2	45.8	47.4	48.4	45.3	46.5	49.4	46.3
AVG	46.9	46.8	46.0	47.3	48.5	46.3	46.9	48.0	46.7	46.0	47.1	46.1











**FRANRIS GLOBAL SERVICES S.A.**  
**LA CUMPARASTEA 1373 SEXMO**

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 +39 039 68 68 161  
 +39 039 6013 639 fax

Partecipazione UBI S.p.A. FINI A GIULIO FENILIBERTE (REGANZI) (PROVA STABILIZAZIONE) NORMA ASPINA 103 PER. 45/72 PERI. 403. GR. 413/10/GR. 221 (SOLLETTI) (PASTORI) FINISHED FOR MECHANICAL USE (NONI EXTRA REQUIREMENTS) ACCORDING TO ASPINA 103 PER. 45/72 PERI. 403. GR. 413/10/GR. 221 On Date: from 28/10/2008 to 203/2008 DE method mm 8.000 " 152,400 UL method mm 8.000 " 152,400 SP method mm 1.000 " 1.000 "	Partecipazione UBI S.p.A. FINI A GIULIO FENILIBERTE (REGANZI) (PROVA STABILIZAZIONE) NORMA ASPINA 103 PER. 45/72 PERI. 403. GR. 413/10/GR. 221 (SOLLETTI) (PASTORI) FINISHED FOR MECHANICAL USE (NONI EXTRA REQUIREMENTS) ACCORDING TO ASPINA 103 PER. 45/72 PERI. 403. GR. 413/10/GR. 221 On Date: from 28/10/2008 to 203/2008 DE method mm 8.000 " 152,400 UL method mm 8.000 " 152,400 SP method mm 1.000 " 1.000 "	Partecipazione UBI S.p.A. FINI A GIULIO FENILIBERTE (REGANZI) (PROVA STABILIZAZIONE) NORMA ASPINA 103 PER. 45/72 PERI. 403. GR. 413/10/GR. 221 (SOLLETTI) (PASTORI) FINISHED FOR MECHANICAL USE (NONI EXTRA REQUIREMENTS) ACCORDING TO ASPINA 103 PER. 45/72 PERI. 403. GR. 413/10/GR. 221 On Date: from 28/10/2008 to 203/2008 DE method mm 8.000 " 152,400 UL method mm 8.000 " 152,400 SP method mm 1.000 " 1.000 "
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Spes./Mese	Col./Mese	Restato	Uscite/Mese	Uscite/Anno	Uscite/Anno (C)	Uscite/Anno (D)
98644	98644	112/96	30	360	4,0	7,0



Qualità System Certified  
 N.1162070129

UFFICIO CENTRALIZZATO QUALITÀ  
 QUALITÀ CERTIFICAZIONE SISTEMI  
 S.p.A. - ROMA

RESPONSABILE SERVIZIO QUALITÀ  
 QUALITÀ SERVIZIO CLIENTI  
 Stefano GIARDINI

Olivier, Dale J

From: Barrowman, Stuart (Houston) [Stuart\_Barrowman@nexeninc.com]  
Sent: Friday, January 22, 2010 9:53 AM  
To: Olivier, Dale J  
Cc: Richard Schexnayder; Thomas, Joe (Houston)  
Subject: FW: MTR's NEXEN Knotty Head  
Attachments: 986142 89734 Q125\_20091116074441.pdf

Dale,

The material meets API requirements.

Third Party is Oilwell Tubular Consultants. Contact is Richard Schexnayder (281-328-6220)

Best Regards,

Stuart Barrowman  
QA/QC Manager  
GoM Deepwater D&C

Nexen Petroleum U.S.A. Inc.  
2000 West Sam Houston Parkway  
Suite 400  
Houston, TX. 77042

(O) 713-341-2840  
(M) 832-247-5909

Email: [Stuart\\_Barrowman@nexeninc.com](mailto:Stuart_Barrowman@nexeninc.com)

"There are countless ways of achieving greatness, but any road to achieving one's maximum potential must be built on bedrock of respect for the individual, commitment to excellence, and a rejection of mediocrity."

HT # 986142 / 89734

From: Olivier, Dale J [mailto:Dale.Olivier@weatherford.com]  
Sent: Thursday, January 21, 2010 4:16 PM  
To: Barrowman, Stuart (Houston)  
Subject: MTR's NEXEN Knotty Head

Stuart,

I have MTR's attached for  
6 each 7" HYD 513 32# HCQ-125 Centralizer Subs  
2 each 7" HYD 513 32# HCQ-125 Float Collars  
1 each 7" HYD 513 32# HCQ-125 Guide Shoe  
For NEXEN deepwater  
Green Canyon 512 #2  
Knotty Head #2

We will start production tomorrow, do you know who the TPI will be?

Regards,  
Dale J. Olivier  
Quality Control Supervisor  
Weatherford Houma Manufacturing  
Schriever, La.  
985-493-6135  
dale.olivier@weatherford.com

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\*\*\*\*\*

1/22/2010

# GROUT Q.C. REPORT FORM BATCH # 2979

BATCHED BY: Russell

DATE: 2-2-2010

Q.C. TEST BY: \_\_\_\_\_

TIME: 1:00 AM

MOLDS USED: 501

SPECIMEN	DATE TESTED	TOTAL LOADS (LBS)	COMP (PSI) STRENGTH	TEST BY	MIX
1	2-3	30,024	7,504	MB	3 Bag Rock
2	2-5	37,021	9,255	MB	6 SCL
3	2-9	40,726	10,182	MB	

COMMENTS: None

7 HYDL M45 AP

② 7 Hydrel 513 M45AP w/#27824121

WG941014 REV A

BAZET PRINTING, INC. 985-868-6868

~~5430~~  
5430 572