



# TOP OILFIELD INDUSTRIES LIMITED FZC

## QUALITY DOCUMENT PACKAGE

CLIENT



P.O # SM/129/379 REV 1

### INSPECTION & RECERTIFICATION OF HOOK BLOCK

MAKE :- GARDNER DENVER 300 /WW250 HYDRA  
MODEL :- TWW 30  
WL :- 1 ¼”  
S/No :- 100  
JOB NO :- R-10429

NOV QAQC 2016



# TOP OILFIELD INDUSTRIES LIMITED FZC

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**CLIENT** : IR & E  
**EQUIPMENT** : HOOK BLOCK (COMBO)  
**MAKE** : GARDNER DENVER 300 /WW250  
**MODEL** : TWW 30  
**JOB No** : R10429  
**S / No** : 100  
**DESCRIPTION** : INSPECTION / RECERTIFICATION OF HOOK BLOCK

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**SECTION 5** PHOTOS.



**SECTION 1**

**CERTIFICATE OF CONFORMANCE**



# TOP OILFIELD INDUSTRIES LIMITED FZC

## CERTIFICATE OF CONFORMANCE

Issue Date: 01/12/2016

TOIL Job Ref No: R10429

CLIENT	IR & E	MAKE	GARDNER DENVER / HYDRA
EQUIPMENT	HOOK BLOCK (COMBO)	MODEL	TWW30
RIG	NA	SERIAL NO	100

**CONFORMING DETAILS:** We hereby confirm that the above mentioned equipment was inspected and recertified in accordance to API 8C / RP 8B, CATEGORY IV Inspection and equipment manufacture's specification. Final inspected and found acceptable as per Top Oilfield quality control procedures and customer purchase order requirements.

**NEXT Inspection:** We recommend that the above mentioned equipment is subject to further periodic inspection at intervals of not more than 1 year as per stated frequency for API RP8B Category III Inspection.

Next API Category III Inspection Due date: Dec 2017.

Next API Category IV Inspection Due date: Dec 2021.

Signed By  
Gopakumar.A (QAQC Manager)  
Top Oilfield Industries Limited



COC REF:-R10429/COC/TB

P.O. Box :42093, Hamriyah Free Zone, Sharjah – U.A.E  
Tel: (971 6) 513 4777, Fax: (971 6) 513 4888  
E-mail: info@topoilfield.com  
Web Site : www.topoilfield.com





**SECTION 2**



**WORK CARRIED OUT**

# INSPECTION & RECERTIFICATION OF HOOK BLOCK

## WORK CARRIED OUT

MAKE :- GARDNER DENVER 300 /WW250 HYDRA

MODEL :- TWW 30

S/No :- 100

JOB NO :- R-10429

- Disassembled, blasted, cleaned and inspected the hook block assembly.
- Dimensional inspection carried out on the sheaves, sheave pin, hook body and found acceptable.
- Latch derating measured and found acceptable.
- MPI carried out the critical components.
- Weld repair done on the hook body, becket, sheave guard and sheave No# 2 and MPI carried out on the repaired areas and found acceptable.
- Reassembled hook block using existing good condition bearings.
- Installed new dust seal and spring pilot O ring.
- Final assembly completed and painting done.
- Installed ID plate and prepared for delivery.
- Prepared QA/QC package.



**SECTION 3**

**INSPECTION REPORTS**


**TOP OILFIELD INDUSTRIES**
**Land & Offshore Drilling Industry**

P.O. BOX 42093, Hamriyah Free Zone - Sharjah, U.A.E

Hamriyah Free zone, Sharjah Tel:+971 6 5134777 , Fax: +971 6 5134888

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www.topoilfield.com



## INSPECTION REPORT

Client :	IR & E	Report No.:	TOIL-IR-1157A-Rev 0
Equipment :	HOOK BLOCK (COMBO)	Job No :	R10429
Make :	GARDNER DENVER 300 /WW250	ISSUE Date :	1/12/2016
Model No :	TWW 30	Serial No :	100
Rig:	NA	Location :	TOIL PHASE II



Disassembled and inspected Hook block and following are the findings and recommendations.



Item description	Activity	Observation / Remarks
1. Shank body	Visual / MPI	Found fatigue indications on the tie rod hole area - Acceptable
2. Dia 42" Sheaves 5Nos	Visual / MPI	Sheave ID No 2 found crack on the weld - Repaired and redo MPI - Found Acceptable Slight line marks on the Sheave groove ID 3 & 4. All sheaves are acceptable as per dimensions
3. Side plate (2Nos)	Visual / MPI	Found acceptable, mechanical damage on the sheave ID





# Land & Offshore Drilling Industry

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 Hamriyah Free zone, Sharjah Tel:+971 6 5134777 , Fax: +971 6 5134888  
 E-mail: info@topoilfield.com www.topoilfield.com



Item description	Activity	Observation / Remarks
4. Equalizer ring	Visual / MPI	Found Acceptable
5. Shank head cover	Visual / MPI	Found Acceptable
6. Latch (2Nos)	Visual / MPI	Found significant indication on the surface - Repaired and redo MPI - Found Acceptable





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Item description	Activity	Observation / Remarks
7. Swivel lock ring	Visual / MPI	Found crack - Repaired and redo MPI - Found Acceptable
8. Shank head cover	Visual / MPI	Found Acceptable
9. Swivel lock arm	Visual / MPI	Found deep wire line marking on the surface
10. Inner and outer spring	Visual / MPI	Found Acceptable



Item description	Activity	Observation / Remarks
11. Becket	Visual / MPI	Found crack on the weld- Repaired and redo MPI - Found Acceptable
12. Sheave guard	Visual / MPI	Found crack on the weld- Repaired and redo MPI - Found Acceptable





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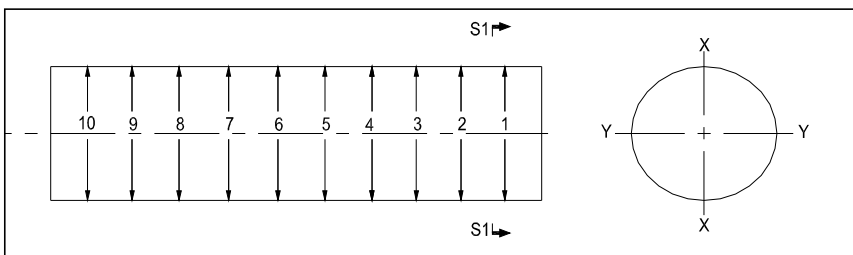
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Item description	Activity	Observation / Remarks
13. Shank	Visual / MPI	Found Acceptable, Found deep scoring marks on the shank.
14. Sheave shaft	Visual / MPI	Found Acceptable
15. Tie rod	Visual / MPI	Found Acceptable
16. Spring spacer	Visual / MPI	Found Acceptable
17. Sheave guard pin	Visual / MPI	Found Acceptable
18. Sheave shaft side plate	Visual / MPI	Found Acceptable
19. Hook body assembly	Visual / MPI	Minor indications and mechanical damage - need to be repaired.
20. Swivel lock ring.	Visual / MPI	Found Acceptable
21. Lach lock assembly.	Visual / MPI	Found Acceptable

### SHEAVE SHAFT OD

	HORIZONTAL	VERTICAL
1	8.000"	8.0005"
2	8.000"	8.000"
3	8.000"	8.000"
4	8.000"	8.000"
5	8.000"	8.000"
6	8.000"	8.000"
7	8.000"	8.000"
8	8.000"	8.000"
9	8.000"	8.000"
10	8.000"	8.0005"



Sheave OD found acceptable.



**TOP OILFIELD INDUSTRIES**

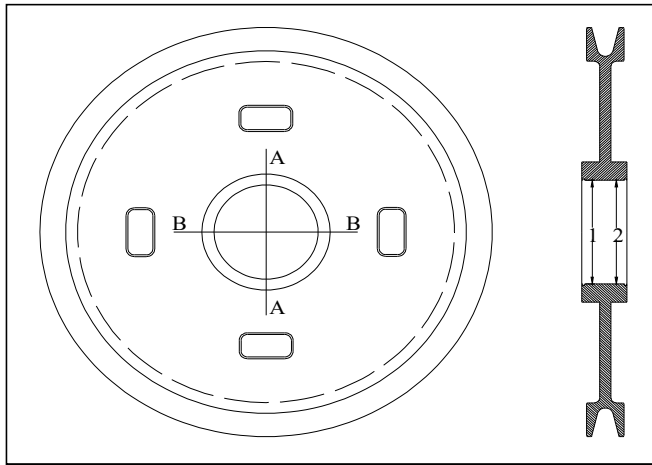
Land & Offshore Drilling Industry

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Hamriyah Free zone, Sharjah Tel:+971 6 5134777 , Fax: +971 6 5134888

E-mail: info@topoilfield.com

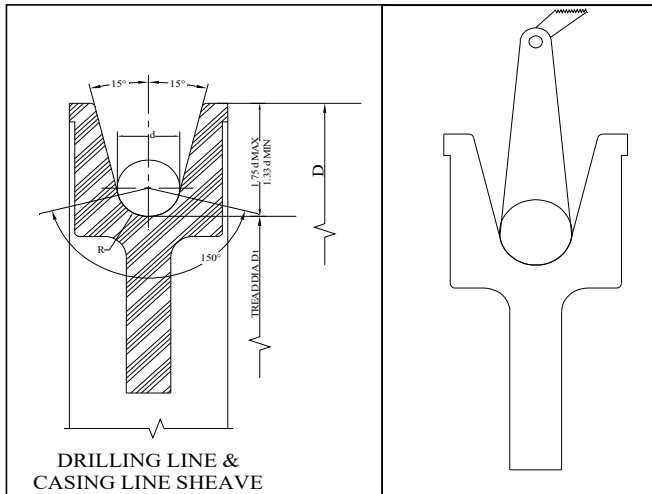
www.topoilfield.com



**Ø42" - 1 1/4" WL SHEAVE HUB ID**

SHEAVE ID	1	2	3	4	5
AA	10.874"	10.875"	10.869"	10.871"	10.872"
BB	10.875"	10.876"	10.868"	10.870"	10.871"

Sheave ID found acceptable.



**Ø42" - 1 1/4" WL SHEAVE GROOVE DEPTH**

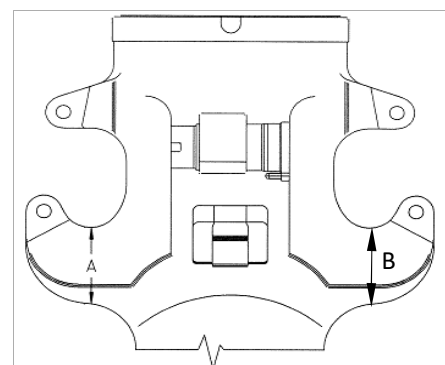
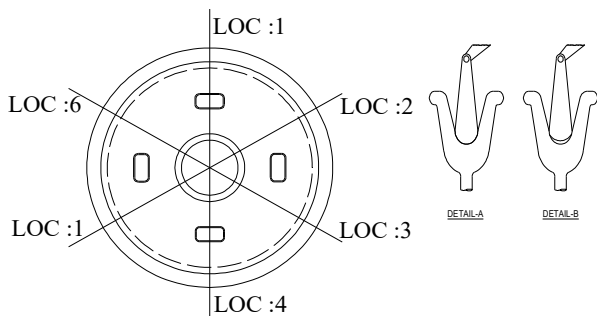
SHEAVE ID	1	2	3	4	5
0°	1.865"	1.900"	1.860"	1.845"	1.830"
90°	1.850"	1.895"	1.859"	1.875"	1.845"
180°	1.864"	1.925"	1.859"	1.860"	1.825"
360°	1.852"	1.912"	1.855"	1.864"	1.820"

Sheave groove depth found acceptable.

**Ø42" - 1 1/4" WL SHEAVE GROOVE RADIOUS**

SHEAVE ID	1	2	3	4	5
0°	OK	OK	OK	OK	OK
90°	OK	OK	OK	OK	OK
180°	OK	OK	OK	OK	OK
360°	OK	OK	OK	OK	OK

Sheave groove radii found acceptable.



Hook Body Derating = 12.125"

Measured Ear link derating:

A = 7.200"

B = 7.250"

Minimum Required Dimension for 250T Hook

Link ear = 6.000"

Hook body and Ear link derating found acceptable.



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[www.topoilfield.com](http://www.topoilfield.com)



All bearings are in good condition - reuse the bearings.

All grease nipples, gaskets, O' rings, oil seals replaced with new.

	INSPECTED BY	REVIEWED AND APPROVED BY
Name:	Abhilash .C	Gopakumar. A
Signature	<a href="#">Computer generated report signature not required</a>	
Position:	QA/QC Supervisor	QA/QC Dept. Manager
Test Date:	01-12-16	01-12-16



**SECTION 4**

**MAGNETIC PARTICLE TEST REPORT**

## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 02	
Client : Top Oilfield Industries Limited FZC		Date of Test: 10.11.2016	
Job # : R 10429		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709			
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


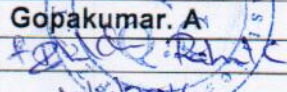
**GD 300 TON BLOCK + HYDRA HOOK - Ø42" SHEAVE- 0 5 No's**

**Observation & Result : -**

- Magnetic Particle Testing has been carried out on the Sheave groove and weld areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal K	Gopakumar. A	
<b>Signature</b>			
<b>Date</b>	10.11.2016	10/11/2016	

## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 01	
Client : Top Oilfield Industries Limited FZC		Date of Test: 10.11.2016	
Job # : R 10429		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709			
Item description: <b>GD 300 Ton Block + Hydra Hook</b>			
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)

### GD 300 TON BLOCK + HYDRA HOOK - BECKET

#### Observation & Result :-

- 100% Magnetic Particle Testing has been carried out on the Becket surface areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	Inspected By	Client Representative	AI/TPI
Name	ASNT Level II Inspector Gopal .K	Toll QA&QC Manager Gopakumar .A	
Signature	<i>[Signature]</i>	<i>[Signature]</i>	
Date	10.11.2016		



## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 10	
Client : Top Oilfield Industries Limited FZC		Date of Test: 10.11.2016	
Job # : R 10429		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709		Item description: GD 300 Ton Block + Hydra Hook	
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)

### GD 300 TON BLOCK + HYDRA HOOK - SHEAVE SHAFT

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the Sheave Shaft Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
<b>Name</b>	ASNT Level II Inspector <b>Gopal .K</b>	Top QA&QC Manager <b>Gopakumar. A</b>	
<b>Signature</b>	<i>[Signature]</i>	<i>[Signature]</i>	
<b>Date</b>	10.11.2016		

Form: RPT-MT-01-02

401500- Top oil Field-MT-10-101116

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## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 11	
Client : <b>Top Oilfield Industries Limited FZC</b>		Date of Test: 10.11.2016	
Job # : <b>R 10429</b>		Material (Type/Thk): CS / Various	
Rig/ Project # : <b>N/A</b>		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709		Item description: GD 300 Ton Block + Hydra Hook	
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


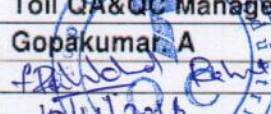
**GD 300 TON BLOCK + HYDRA HOOK - SHEAVE GUARD PIN**

**Observation & Result : -**

- 100% Magnetic Particle Testing has been carried out on the **Sheave Guard Pin** Surface Area.  
Qty - 04No's



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal .K	Gopakumar .A	
<b>Signature</b>			
<b>Date</b>	10.11.2016	10/11/2016	

Form: RPT-MT-01-02

401500- Top oil Field- MT - 11-101116

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## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 12	
Client : Top Oilfield Industries Limited FZC		Date of Test: 10.11.2016	
Job # : R 10429		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A		Surface Condition: As blasted/ Welded	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709			
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser	Background	Detecting Medium
	Chemerall - Solvent (S-72)	Chemerall - WCP - 712	Chemerall - Supramor-4 (Black)


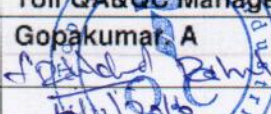
**GD 300 TON BLOCK + HYDRA HOOK - SIDE PLATE 1**

**Observation & Result :-**

- 100% Magnetic Particle Testing has been carried out on the **Side Plate 1** Welded Areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
Name	Gopal .K	Gopakumar .A	
Signature			
Date	10.11.2016		

Form: RPT-MT-01-02

401500- Top oil Field- MT-12-101116

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## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 13	
Client : Top Oilfield Industries Limited FZC		Date of Test: 10.11.2016	
Job # : R 10429		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A			
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		Surface Condition: As blasted/ Welded	
Method : Wet / Continuous / Visible		PWHT : Not Applicable	
Technique : Longitudinal Magnetization		Test Temp. : Ambient	
Procedure & Rev # : APISI 009 Rev 2		Illumination : Day Light >1000lux	
Acceptance Criteria : ASTM E-709		Equipment: AC Yoke / SI # : 2380	
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


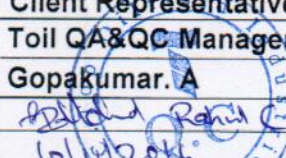
### GD 300 TON BLOCK + HYDRA HOOK - SIDE PLATE 2

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the Side plate weld areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal K.	Gopakumar. A	
<b>Signature</b>			
<b>Date</b>	10.11.2016	10/11/2016	

Form: RPT-MT-01-02

401500- Top oil Field- MT-13-101116

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IB-039



## Magnetic Particle Test Report

Seacorr Job # : 401500	Report # : 401500/ MT - 19
Client : Top Oilfield Industries Limited FZC	Date of Test: 10.11.2016
Job # : R 10429	Material (Type/Thk): CS / Various
Rig/ Project # : N/A	Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah
Method : Wet / Continuous / Visible	Surface Condition: As blasted/ Solvent cleaned
Technique : Longitudinal Magnetization	PWHT : Not Applicable
Procedure & Rev # : APISI 009 Rev 2	Test Temp. : Ambient
Acceptance Criteria : ASTM E-709	Illumination : Day Light >1000lux
Item description: GD 300 Ton Block + Hydra Hook	Equipment: AC Yoke / SI # : 2380

Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


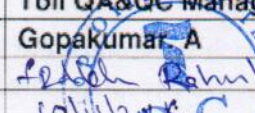
GD 300 TON BLOCK + HYDRA HOOK - TIE ROD - 2No's

### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the **Tie Rod** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal .K	Gopakumar - A	
<b>Signature</b>			
<b>Date</b>	10.11.2016		

## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 15	
Client : <b>Top Oilfield Industries Limited FZC</b>		Date of Test: 10.11.2016	
Job # : <b>R 10429</b>		Material (Type/Thk): CS / Various	
Rig/ Project # : <b>N/A</b>		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709			
Item description: <b>GD 300 Ton Block + Hydra Hook</b>			
Consumables	Degreaser	Background	Detecting Medium
	Chemetail - Solvent (S-72)	Chemetail - WCP - 712	Chemetail - Supramor-4 (Black)


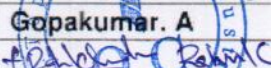
### GD 300 TON BLOCK + HYDRA HOOK - SWIVEL LOCK ARM

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the **Swivel Lock Arm** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	Inspected By	Client Representative	AI/TPI
Name	ASNT Level II Inspector <b>Gopal .K</b>	Top QA&QC Manager <b>Gopakumar. A</b>	
Signature			
Date	10.11.2016	10/11/2016	

## Magnetic Particle Test Report

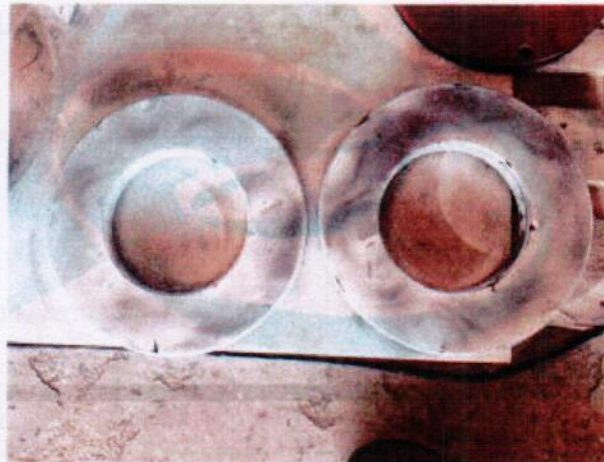
Seacorr Job # : 401500	Report # : 401500/ MT - 14
Client : <b>Top Oilfield Industries Limited FZC</b>	Date of Test: 10.11.2016
Job # : <b>R 10429</b>	Material (Type/Thk): CS / Various
Rig/ Project # : <b>N/A</b>	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	Surface Condition: As blasted/ Solvent cleaned
Method : Wet / Continuous / Visible	PWHT : Not Applicable
Technique : Longitudinal Magnetization	Test Temp. : Ambient
Procedure & Rev # : APISI 009 Rev 2	Illumination : Day Light >1000lux
Acceptance Criteria : ASTM E-709	Equipment: AC Yoke / SI # : 2380
Item description: GD 300 Ton Block + Hydra Hook	

Consumables	Degreaser	Background	Detecting Medium
	Chemetail - Solvent (S-72)	Chemetail - WCP - 712	Chemetail - Supramor-4 (Black)



### GD 300 TON BLOCK + HYDRA HOOK - SPRING SPACER

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the **Spring Spacer** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	Inspected By	Client Representative	AI/TPI
	ASNT Level II Inspector	Toil QA&QC Manager	
Name	<b>Gopal .K</b>	<b>Gopakumar. A</b>	
Signature			
Date	10.11.2016	10/11/2016	

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## Magnetic Particle Test Report

Seacorr Job # : 401500	Report # : 401500/ MT - 09		
Client : Top Oilfield Industries Limited FZC	Date of Test: 10.11.2016		
Job # : R 10429	Material (Type/Thk): CS / Various		
Rig/ Project # : N/A	Surface Condition: As blasted/ Solvent cleaned		
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	PWHT : Not Applicable		
Method : Wet / Continuous / Visible	Test Temp. : Ambient		
Technique : Longitudinal Magnetization	Illumination : Day Light >1000lux		
Procedure & Rev # : APISI 009 Rev 2	Equipment: AC Yoke / SI # : 2380		
Acceptance Criteria : ASTM E-709			
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser Chemetall - Solvent (S-72)	Background Chemetall - WCP - 712	Detecting Medium Chemetall - Supramor-4 (Black)

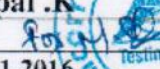

### GD 300 TON BLOCK + HYDRA HOOK - SHANK

#### Observation & Result :-

- 100% Magnetic Particle Testing has been carried out on the **Shank** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Top QA&QC Manager	
<b>Name</b>	Gopal .K	Gopakumar. A	
<b>Signature</b>			
<b>Date</b>	10.11.2016		



## Magnetic Particle Test Report

Seacorr Job # : 401500	Report # : 401500/ MT - 08		
Client : Top Oilfield Industries Limited FZC	Date of Test: 10.11.2016		
Job # : R 10429	Material (Type/Thk): CS / Various		
Rig/ Project # : N/A	Surface Condition: As blasted/ Solvent cleaned		
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	PWHT : Not Applicable		
Method : Wet / Continuous / Visible	Test Temp. : Ambient		
Technique : Longitudinal Magnetization	Illumination : Day Light >1000lux		
Procedure & Rev # : APISI 009 Rev 2	Equipment: AC Yoke / SI # : 2380		
Acceptance Criteria : ASTM E-709			
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser	Background	Detecting Medium
	Chemetail - Solvent (S-72)	Chemetail - WCP - 712	Chemetail - Supramor-4 (Black)

### GD 300 TON BLOCK + HYDRA HOOK - SHANK HEAD COVER

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the **Shank Head Cover** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal .K	Gopakumar .A	
<b>Signature</b>	<i>[Signature]</i>	<i>[Signature]</i>	
<b>Date</b>	10.11.2016	10.11.2016	

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## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 03	
Client : <b>Top Oilfield Industries Limited FZC</b>		Date of Test: 10.11.2016	
Job # : <b>R 10429</b>		Material (Type/Thk): CS / Various	
Rig/ Project # : <b>N/A</b>			
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		Surface Condition: As blasted/ Solvent cleaned	
Method : Wet / Continuous / Visible		PWHT : Not Applicable	
Technique : Longitudinal Magnetization		Test Temp. : Ambient	
Procedure & Rev # : APISI 009 Rev 2		Illumination : Day Light >1000lux	
Acceptance Criteria : ASTM E-709		Equipment: AC Yoke / SI # : 2380	
Item description: <b>GD 300 Ton Block + Hydra Hook</b>			
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall Supramor-4 (Black)

### GD 300 TON BLOCK + HYDRA HOOK - EQUALIZER RING

#### Observation & Result :-

- 100% Magnetic Particle Testing has been carried out on the Equalizer Ring Surface Areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal .K	Gopakumar. A	
<b>Signature</b>	<i>[Signature]</i>	<i>[Signature]</i>	
<b>Date</b>	10.11.2016	10/11/2016	

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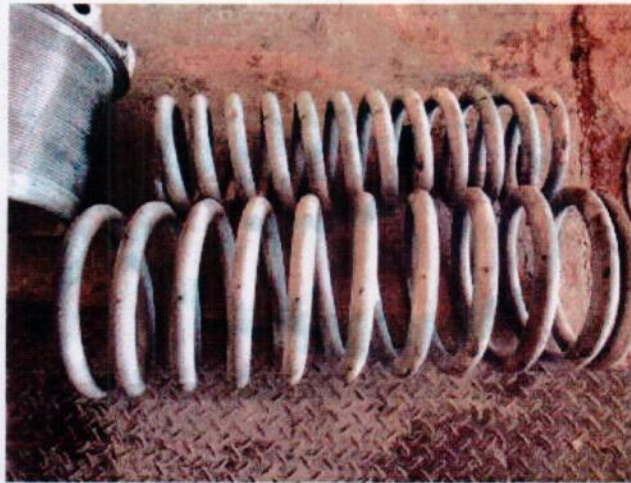
## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 05	
Client : <b>Top Oilfield Industries Limited FZC</b>		Date of Test: 10.11.2016	
Job # : <b>R 10429</b>		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWHT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709		Item description: GD 300 Ton Block + Hydra Hook	
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


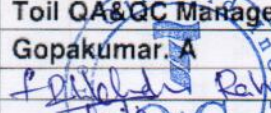
**GD 300 TON BLOCK + HYDRA HOOK - INNER AND OUTER SPRING**

**Observation & Result : -**

- 100% Magnetic Particle Testing has been carried out on the Inner And Outer Spring Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	<b>ASNT Level II Inspector</b>	<b>Toil QA&amp;QC Manager</b>	
<b>Name</b>	<b>Gopal .K</b>	<b>Gopakumar. A</b>	
<b>Signature</b>			
<b>Date</b>	<b>10.11.2016</b>		

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## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 04	
Client : <b>Top Oilfield Industries Limited FZC</b>		Date of Test: 10.11.2016	
Job # : <b>R 10429</b>		Material (Type/Thk): CS / Various	
Rig/ Project # : <b>N/A</b>		Surface Condition: As blasted/ Solvent cleaned	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		PWIT : Not Applicable	
Method : Wet / Continuous / Visible		Test Temp. : Ambient	
Technique : Longitudinal Magnetization		Illumination : Day Light >1000lux	
Procedure & Rev # : APISI 009 Rev 2		Equipment: AC Yoke / SI # : 2380	
Acceptance Criteria : ASTM E-709			
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


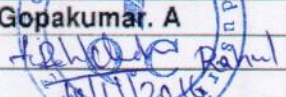
### GD 300 TON BLOCK + HYDRA HOOK - HOOK BODY ASSEMBLY

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the Hook Body Assembly Surface Areas



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	<b>ASNT Level II Inspector</b>	<b>Top QA&amp;QC Manager</b>	
<b>Name</b>	<b>Gopal .K</b>	<b>Gopakumar. A</b>	
<b>Signature</b>			
<b>Date</b>	<b>10.11.2016</b>		

## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 07	
Client : Top Oilfield Industries Limited FZC		Date of Test: 10.11.2016	
Job # : R 10429		Material (Type/Thk): CS / Various	
Rig/ Project # : N/A			
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah		Surface Condition: As blasted/ Solvent cleaned	
Method : Wet / Continuous / Visible		PWHT : Not Applicable	
Technique : Longitudinal Magnetization		Test Temp. : Ambient	
Procedure & Rev # : APISI 009 Rev 2		Illumination : Day Light >1000lux	
Acceptance Criteria : ASTM E-709		Equipment: AC Yoke / SI # : 2380	
Item description: GD 300 Ton Block + Hydra Hook			
Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)

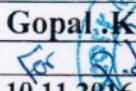
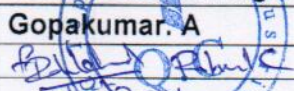
### GD 300 TON BLOCK + HYDRA HOOK - SHANK BODY

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the Shank Body surface areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal .K	Gopakumar. A	
<b>Signature</b>			
<b>Date</b>	10.11.2016	10/11/2016	

## Magnetic Particle Test Report

Seacorr Job # : 401500	Report # : 401500/ MT - 06
Client : Top Oilfield Industries Limited FZC	Date of Test: 10.11.2016
Job # : R 10429	Material (Type/Thk): CS / Various
Rig/ Project # : N/A	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	Surface Condition: As blasted/ Solvent cleaned
Method : Wet / Continuous / Visible	PWHT : Not Applicable
Technique : Longitudinal Magnetization	Test Temp. : Ambient
Procedure & Rev # : APISI 009 Rev 2	Illumination : Day Light >1000lux
Acceptance Criteria : ASTM E-709	Equipment: AC Yoke / SI # : 2380
Item description: GD 300 Ton Block + Hydra Hook	

Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


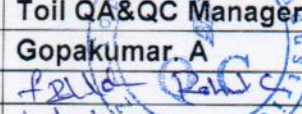
**GD 300 TON BLOCK + HYDRA HOOK - LATCH - 02 NOS**

Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the Latch Surface Areas.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II/Inspector	Toil QA&QC Manager	
<b>Name</b>	Gopal K	Gopakumar A	
<b>Signature</b>			
<b>Date</b>	10.11.2016	10/11/2016	

## Magnetic Particle Test Report

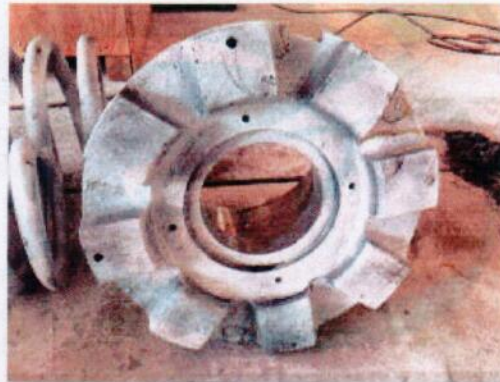
Seacorr Job # : 401500	Report # : 401500/ MT - 16
Client : <b>Top Oilfield Industries Limited FZC</b>	Date of Test: 10.11.2016
Job # : <b>R 10429</b>	Material (Type/Thk): CS / Various
Rig/ Project # : <b>N/A</b>	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	Surface Condition: As blasted/ Solvent cleaned
Method : Wet / Continuous / Visible	PWHT : Not Applicable
Technique : Longitudinal Magnetization	Test Temp. : Ambient
Procedure & Rev # : APISI 009 Rev 2	Illumination : Day Light >1000lux
Acceptance Criteria : ASTM E-709	Equipment: AC Yoke / SI # : 2380
Item description: <b>GD 300 Ton Block + Hydra Hook</b>	

Consumables	Degreaser	Background	Detecting Medium
	Chemetail - Solvent (S-72)	Chemetail - WCP - 712	Chemetail - Supramor-4 (Black)


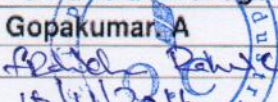
**GD 300 TON BLOCK + HYDRA HOOK - SWIVEL LOCK RING - 1**

**Observation & Result : -**

- 100% Magnetic Particle Testing has been carried out on the **Swivel Lock Ring 1** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	<b>ASNT Level II Inspector</b>	<b>Toil QA&amp;QC Manager</b>	
<b>Name</b>	<b>Gopal .K</b>	<b>Gopakumar .A</b>	
<b>Signature</b>			
<b>Date</b>	10.11.2016	10/11/2016	

## Magnetic Particle Test Report

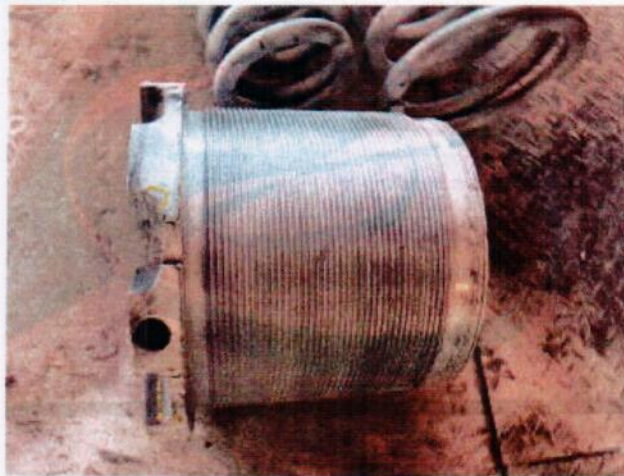
Seacorr Job # : 401500	Report # : 401500/ MT - 17
Client : <b>Top Oilfield Industries Limited FZC</b>	Date of Test: 10.11.2016
Job # : <b>R 10429</b>	Material (Type/Thk): CS / Various
Rig/ Project # : <b>N/A</b>	
Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	Surface Condition: As blasted/ Solvent cleaned
Method : Wet / Continuous / Visible	PWHT : Not Applicable
Technique : Longitudinal Magnetization	Test Temp. : Ambient
Procedure & Rev # : APISI 009 Rev 2	Illumination : Day Light >1000lux
Acceptance Criteria : ASTM E-709	Equipment: AC Yoke / SI # : 2380
Item description: GD 300 Ton Block + Hydra Hook	

Consumables	Degreaser	Background	Detecting Medium
	Chemetall - Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)


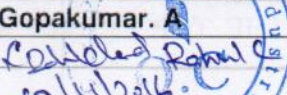
### GD 300 TON BLOCK + HYDRA HOOK - SWIVEL LOCK RING - 2

#### Observation & Result : -

- 100% Magnetic Particle Testing has been carried out on the **Swivel Lock Ring 2** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	ASNT Level II Inspector	Toil QA&QC Manager	
Name	Gopal .K	Gopakumar. A	
Signature			
Date	10.11.2016	10/11/2016	

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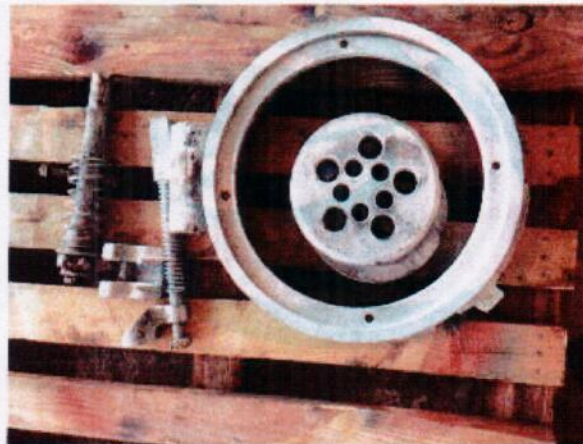
## Magnetic Particle Test Report

Seacorr Job # : 401500		Report # : 401500/ MT - 18	
Client : <b>Top Oilfield Industries Limited FZC</b>		Date of Test: 10.11.2016	
Job # : <b>R 10429</b>		Material (Type/Thk): CS / Various	
Rig/ Project # : <b>N/A</b>		Location: Top Oilfield Workshop, Hamriyah Free Zone Phase II Sharjah	
Method : Wet / Continuous / Visible		Surface Condition: As blasted/ Solvent cleaned	
Technique : Longitudinal Magnetization		PWHT : Not Applicable	
Procedure & Rev # : APISI 009 Rev 2		Test Temp. : Ambient	
Acceptance Criteria : ASTM E-709		Illumination : Day Light >1000lux	
Item description: <b>GD 300 Ton Block + Hydra Hook</b>		Equipment: AC Yoke / SI # : 2380	
Consumables	Degreaser	Background	Detecting Medium
	Chemetall Solvent (S-72)	Chemetall - WCP - 712	Chemetall - Supramor-4 (Black)

**GD 300 TON BLOCK + HYDRA HOOK - SWIVEL LOCK RING WITH LOCKING ASSY**

**Observation & Result : -**

- 100% Magnetic Particle Testing has been carried out on the **Swivel Lock Ring With Locking Assy** Surface Area.



- No relevant indications were observed.
- Acceptable as per above specifications.

	<b>Inspected By</b>	<b>Client Representative</b>	<b>AI/TPI</b>
	<b>ASNT Level II Inspector</b>	<b>Toil QA&amp;QC Manager</b>	
<b>Name</b>	<b>Gopal .K</b>	<b>Gopakumar . A</b>	
<b>Signature</b>	<i>[Signature]</i>	<i>[Signature]</i>	
<b>Date</b>	<b>10.11.2016</b>		

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**SECTION 5**



**PHOTOS**

