

**Draw Work Brake CAT IV INSPECTION REPORT**

Customer:	Daqing Drilling Company	Date of inspection:	06-07-2024
Rig Name:	DQ BASE	Report No:	QC-DQ-07-24-0197-MPI-01
Type of Inspection:	CAT IV Inspection.	Specification:	API RP 8B

PROCEDURE

Eaton Industial Clutches And Brakes (Shanghai) Co .,Ltd (Draw Work Brake)

QTY:	1 (set)
Equipment:	Draw Work Brake
Part NO:	146472A
Part Description	436WCB2
Manufacture:	Eaton Industial Clutches And Brakes (Shanghai) Co .,Ltd
Date Of Manufacture:	25-05-2012
Ref Standard:	API RP 8B
NEXT EXAMINATION:	After 05 Years

Remarks:

CAT IV Inspection Was Carried Out on Draw Work Brake and Found Accepted at The Time of Inspection.

Inspector:**Abdullah Mofeed****Supervisor:****Mohamed Abdullah****Customer Reprehensive**



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PROCEDURE

- The Products Have Been Inspected and Found Them Conformable to Relevant

The Rig was equipped with Eaton Industrial Clutches And Brakes (Shanghai) Co.,Ltd Brake with following specification

- Brake was found partly stripped down /assembled condition for CAT IV Inspection.

1- Visually Check for Any Damage Wear DistortionEtc.	Performed
2- Check Marking of Serial Number.	Performed
3- Clean the Weld Area from Any Rust Painting Using Grinder Brush.	Performed
4- Visual Examination for Weld Area.	Performed
5- Visual Examination for Critical Area	Performed
6- Apply White Contrast for Weld Area.	Performed
7- Apply White Contrast for Critical Area.	Performed
8- Perform MPI Using Permanent Magnet and Black Ink.	Performed
9- MPI Interpretation API RP 8B Acceptance Criteria.	Performed

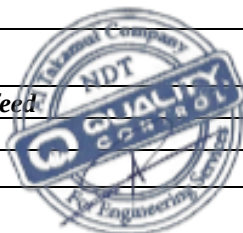
PROCEDURE

****** Visual And MPI Was Carried Out on The Available Welding and Critical Areas of The Brake and Found Satisfactory for Further Use.

****** CAT IV Inspection Was Carried Out on Brake and Found Accepted at The Time of Inspection.

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Inspector:
Abdullah Mofeed
Supervisor:
Mohamed Abdullah
Customer Representative




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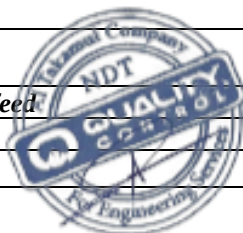
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Spring For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Minimum	RESULT
Spring No. 1	Spring Free Height	101.12 mm	67.56 mm	ACCEPT
Spring No. 2	Spring Free Height	101.09 mm	67.56 mm	ACCEPT
Spring No. 3	Spring Free Height	101.14 mm	67.56 mm	ACCEPT
Spring No. 4	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 5	Spring Free Height	101.09 mm	67.56 mm	ACCEPT
Spring No. 6	Spring Free Height	101.02 mm	67.56 mm	ACCEPT
Spring No. 7	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 8	Spring Free Height	101.03 mm	67.56 mm	ACCEPT
Spring No. 9	Spring Free Height	101.10 mm	67.56 mm	ACCEPT
Spring No. 10	Spring Free Height	101.08 mm	67.56 mm	ACCEPT
Spring No. 11	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 12	Spring Free Height	101.04 mm	67.56 mm	ACCEPT
Spring No. 13	Spring Free Height	101.11 mm	67.56 mm	ACCEPT
Spring No. 14	Spring Free Height	101.08 mm	67.56 mm	ACCEPT

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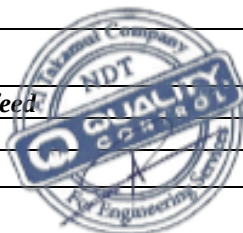
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Spring For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Minimum	RESULT
Spring No. 15	Spring Free Height	101.11 mm	67.56 mm	ACCEPT
Spring No. 16	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 17	Spring Free Height	101.13 mm	67.56 mm	ACCEPT
Spring No. 18	Spring Free Height	101.10 mm	67.56 mm	ACCEPT
Spring No. 19	Spring Free Height	101.09 mm	67.56 mm	ACCEPT
Spring No. 20	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 21	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 22	Spring Free Height	101.04 mm	67.56 mm	ACCEPT
Spring No. 23	Spring Free Height	101.12 mm	67.56 mm	ACCEPT
Spring No. 24	Spring Free Height	101.09 mm	67.56 mm	ACCEPT
Spring No. 25	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 26	Spring Free Height	101.02 mm	67.56 mm	ACCEPT
Spring No. 27	Spring Free Height	101.08 mm	67.56 mm	ACCEPT
Spring No. 28	Spring Free Height	101.04 mm	67.56 mm	ACCEPT

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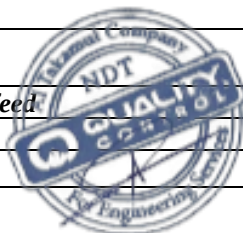
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Spring For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Minimum	RESULT
Spring No. 29	Spring Free Height	101.00 mm	67.56 mm	ACCEPT
Spring No. 30	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 31	Spring Free Height	101.12 mm	67.56 mm	ACCEPT
Spring No. 32	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 33	Spring Free Height	101.08 mm	67.56 mm	ACCEPT
Spring No. 34	Spring Free Height	101.04 mm	67.56 mm	ACCEPT
Spring No. 35	Spring Free Height	101.10 mm	67.56 mm	ACCEPT
Spring No. 36	Spring Free Height	101.06 mm	67.56 mm	ACCEPT
Spring No. 37	Spring Free Height	101.09 mm	67.56 mm	ACCEPT
Spring No. 38	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 39	Spring Free Height	101.02 mm	67.56 mm	ACCEPT
Spring No. 40	Spring Free Height	101.08 mm	67.56 mm	ACCEPT
Spring No. 41	Spring Free Height	101.10 mm	67.56 mm	ACCEPT
Spring No. 42	Spring Free Height	101.05 mm	67.56 mm	ACCEPT

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Supervisor:
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Customer Reprehensive




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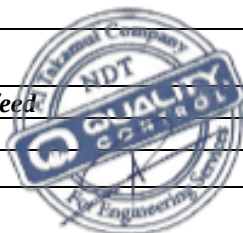
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Spring For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Minimum	RESULT
Spring No. 43	Spring Free Height	101.11 mm	67.56 mm	ACCEPT
Spring No. 44	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 45	Spring Free Height	101.13 mm	67.56 mm	ACCEPT
Spring No. 46	Spring Free Height	101.06 mm	67.56 mm	ACCEPT
Spring No. 47	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 48	Spring Free Height	101.03 mm	67.56 mm	ACCEPT
Spring No. 49	Spring Free Height	101.08 mm	67.56 mm	ACCEPT
Spring No. 50	Spring Free Height	101.03 mm	67.56 mm	ACCEPT
Spring No. 51	Spring Free Height	101.02 mm	67.56 mm	ACCEPT
Spring No. 52	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 53	Spring Free Height	101.04 mm	67.56 mm	ACCEPT
Spring No. 54	Spring Free Height	101.02 mm	67.56 mm	ACCEPT
Spring No. 55	Spring Free Height	101.09 mm	67.56 mm	ACCEPT
Spring No. 56	Spring Free Height	101.06 mm	67.56 mm	ACCEPT

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Customer Reprehensive


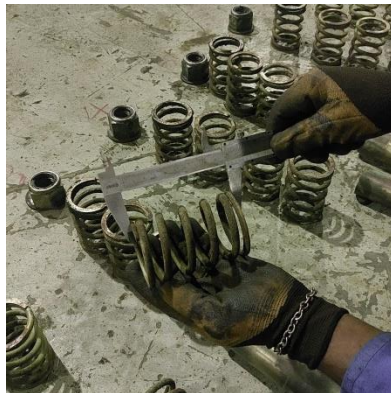


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Spring For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Minimum	RESULT
Spring No. 57	Spring Free Height	101.05 mm	67.56 mm	ACCEPT
Spring No. 58	Spring Free Height	101.07 mm	67.56 mm	ACCEPT
Spring No. 59	Spring Free Height	101.03 mm	67.56 mm	ACCEPT
Spring No. 60	Spring Free Height	101.04 mm	67.56 mm	ACCEPT
Spring No. 61	Spring Free Height	101.08 mm	67.56 mm	ACCEPT
Spring No. 62	Spring Free Height	101.10 mm	67.56 mm	ACCEPT
Spring No. 63	Spring Free Height	101.06 mm	67.56 mm	ACCEPT
Spring No. 64	Spring Free Height	101.05 mm	67.56 mm	ACCEPT



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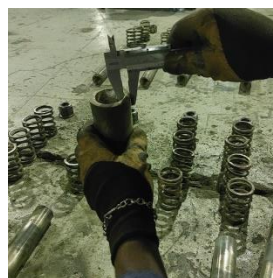
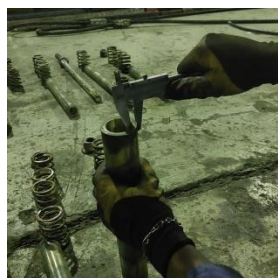


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Clamp Tube For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Max Wear	RESULT
Clamp Tube No. 1	Reaction Area Clamp Tube	0.07 mm	0.38 mm	ACCEPT
Clamp Tube No. 2	Reaction Area Clamp Tube	0.05 mm	0.38 mm	ACCEPT
Clamp Tube No. 3	Reaction Area Clamp Tube	0.09 mm	0.38 mm	ACCEPT
Clamp Tube No. 4	Reaction Area Clamp Tube	0.11 mm	0.38 mm	ACCEPT
Clamp Tube No. 5	Reaction Area Clamp Tube	0.04 mm	0.38 mm	ACCEPT
Clamp Tube No. 6	Reaction Area Clamp Tube	0.10 mm	0.38 mm	ACCEPT
Clamp Tube No. 7	Reaction Area Clamp Tube	0.08 mm	0.38 mm	ACCEPT
Clamp Tube No. 8	Reaction Area Clamp Tube	0.07 mm	0.38 mm	ACCEPT
Clamp Tube No. 9	Reaction Area Clamp Tube	0.06 mm	0.38 mm	ACCEPT
Clamp Tube No. 10	Reaction Area Clamp Tube	0.08 mm	0.38 mm	ACCEPT
Clamp Tube No. 11	Reaction Area Clamp Tube	0.04 mm	0.38 mm	ACCEPT
Clamp Tube No. 12	Reaction Area Clamp Tube	0.09 mm	0.38 mm	ACCEPT
Clamp Tube No. 13	Reaction Area Clamp Tube	0.12 mm	0.38 mm	ACCEPT
Clamp Tube No. 14	Reaction Area Clamp Tube	0.05 mm	0.38 mm	ACCEPT
Clamp Tube No. 15	Reaction Area Clamp Tube	0.06 mm	0.38 mm	ACCEPT
Clamp Tube No. 16	Reaction Area Clamp Tube	0.10 mm	0.38 mm	ACCEPT



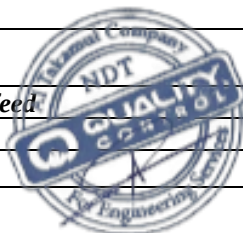
Remarks:

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Inspector: Abdullah Mofeed

Supervisor: Mohamed Abdullah

Customer Reprehensive





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Bushing Plate For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Max Wear	RESULT
Clamp Tube No. 1	Reaction Hole Bushing Plate	0.09 mm	0.80 mm	ACCEPT
Clamp Tube No. 2	Reaction Hole Bushing Plate	0.07 mm	0.80 mm	ACCEPT
Clamp Tube No. 3	Reaction Hole Bushing Plate	0.10 mm	0.80 mm	ACCEPT
Clamp Tube No. 4	Reaction Hole Bushing Plate	0.07 mm	0.80 mm	ACCEPT
Clamp Tube No. 5	Reaction Hole Bushing Plate	0.05 mm	0.80 mm	ACCEPT
Clamp Tube No. 6	Reaction Hole Bushing Plate	0.12 mm	0.80 mm	ACCEPT
Clamp Tube No. 7	Reaction Hole Bushing Plate	0.06 mm	0.80 mm	ACCEPT
Clamp Tube No. 8	Reaction Hole Bushing Plate	0.04 mm	0.80 mm	ACCEPT
Clamp Tube No. 9	Reaction Hole Bushing Plate	0.06 mm	0.80 mm	ACCEPT
Clamp Tube No. 10	Reaction Hole Bushing Plate	0.05 mm	0.80 mm	ACCEPT
Clamp Tube No. 11	Reaction Hole Bushing Plate	0.11 mm	0.80 mm	ACCEPT
Clamp Tube No. 12	Reaction Hole Bushing Plate	0.09 mm	0.80 mm	ACCEPT
Clamp Tube No. 13	Reaction Hole Bushing Plate	0.04 mm	0.80 mm	ACCEPT
Clamp Tube No. 14	Reaction Hole Bushing Plate	0.06 mm	0.80 mm	ACCEPT
Clamp Tube No. 15	Reaction Hole Bushing Plate	0.09 mm	0.80 mm	ACCEPT
Clamp Tube No. 16	Reaction Hole Bushing Plate	0.10 mm	0.80 mm	ACCEPT



Remarks:

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Inspector: Abdullah Mofeed

Supervisor: Mohamed Abdullah

Customer Reprehensive





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Friction Disc Core & Gear For Tensioner –Brake (Model: 36 WCB2)

Component	DESCRIPTION	ACTUAL VALUE	OEM VALUES Max Wear	RESULT
Friction Disc Core & Gear	Friction Disc Core & Gear (Gear Backlash)	0.07 mm	1 mm	ACCEPT



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Customer Reprehensive			

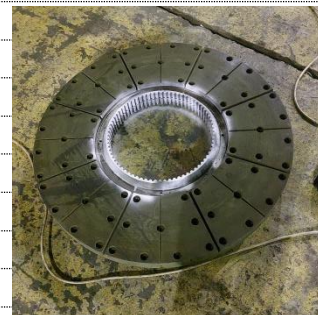




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PICTORIAL



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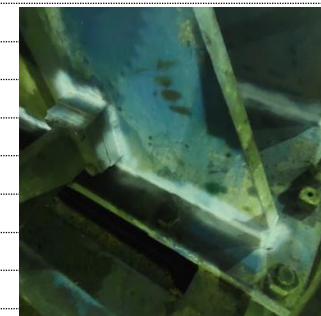
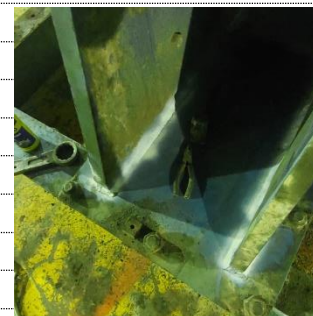
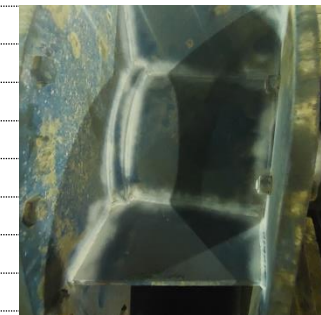
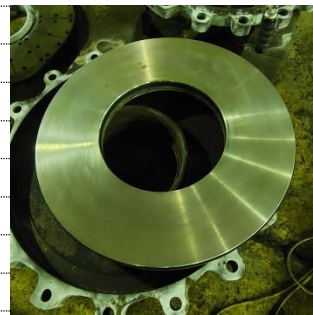




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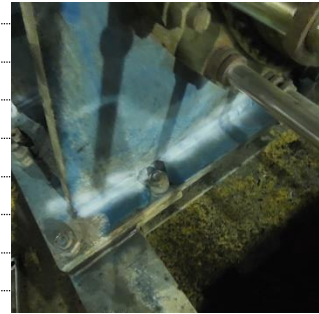
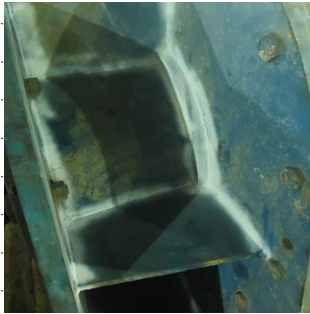
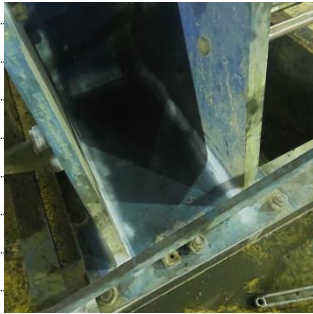




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