



PT. YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA (YIID)  
QUALITY CONTROL SECTION

JL. MAS SURYA NEGARA VIII NO.6  
KAWASAN INDUSTRI TERPADU KABIL  
BATAM 29476 · INDONESIA  
TEL: (62-778) 8070100 FAX: (62-778) 8070101

Report No. : AFQB-23-136  
Date. : Oct. 16, 2023

Purchaser : M/S FENDERCARE LIMITED

This certificate is issued to the above purchaser to certify that following fenders have been found to comply with the technical requirements for commercial fenders of ISO 17357-1 dated January 15, 2014

**YOKOHAMA PNEUMATIC RUBBER FENDER**

Size : 1200 mm Diameter X 2000 mm Length  
Fender Type : Type I  
Initial Internal Pressure : 50 kPa (Pneumatic 50)  
Drawing Number : FA-0816-01A  
Quantity : 8 pieces  
Serial No. : I OFX98B, I OFX99B, I OFX100B, I OFX101B,  
I OFX102B, I OFX103B, I OFX104B, I OFX105B  
Standard : ISO 17357-1 : 2014

The undernote test were carried out in accordance with the requirements of standard, and all the test results were satisfactory.

1. Material Test of Rubber
2. Dimensional Inspection
3. Air Leakage Test
4. Hydrostatic Pressure Test
5. Marking Inspection

PT. Yokohama Industrial Products  
Manufacturing Indonesia

Prepared by 

Approved by   
Quality Control Section

Reviewed by  
The Yokohama Rubber Co.,Ltd.

Checked by s. rhibayana

Approved by K. Karcho  
Quality Assurance Section  
Industrial Product Plants





PT. YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA (YIID)  
QUALITY CONTROL SECTION

JL. MAS SURYA NEGARA VIII NO.6  
KAWASAN INDUSTRI TERPADU KABIL  
BATAM 29476 - INDONESIA  
TEL: (62-778) 8070100 FAX: (62-778) 8070101

Report No. : AFQB-'23-136

Date. : Oct. 16, 2023

### Material Certificate For Synthetic Tyre Cord

1. Type of Material : SYNTHETIC TYRE CORD
2. Serial Number of fenders : IOFX98B, IOFX99B, IOFX100B, IOFX101B,  
IOFX102B, IOFX103B, IOFX104B, IOFX105B

We hereby certify that the above fenders used the synthetic tyre cord.

PT.Yokohama Industrial Products Manufacturing Indonesia

*Asly' esury*



**YOKOHAMA**

PT YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA  
JL. Mas Surya Negara VIII No.6, Kawasan  
Industri Terpadu Kabil, Batam, Indonesia  
Tel. 62-778-8070100  
Fax. 62-778-8070101

Report No. : AFQB-'23-136

Date : Oct. 16, 2023

Purchaser : M/S FENDERCARE LIMITED

**INSPECTION CERTIFICATE**

Y.R.C. Order No. : FJE0149-1  
Drawing No. : FA-0816-01A  
Article : YOKOHAMA PNEUMATIC  
RUBBER FENDERS 50kPa  
Size : 1200 mm Diameter × 2000 mm Length  
Quantity : 8 Pcs.  
Serial No. : I OFX98B, I OFX99B, I OFX100B, I OFX101B,  
I OFX102B, I OFX103B, I OFX104B, I OFX105B  
Note :

PT.Yokohama Industrial Products Manufacturing Indonesia

Prepared by \_\_\_\_\_

Approved by \_\_\_\_\_



## MATERIAL TEST CERTIFICATE

Items: Outer Rubber & Inner Rubber							
Applicable Standards: ISO 17357-1:2014 Section 9.2 & Table 3 [Room Temp. 23.2°C ]							
Rubber	Test Items	Standard		Test Result			Judgement
		Before Aging	After Aging* <sup>1</sup> (70°Cx 96hrs)	Before Aging	After Aging* <sup>1</sup> Value % , point		
Outer Rubber	Tensile Strength [Mpa]	Min.18MPa	Not less than 80% of original property	20.3	21.5	105.9%	Satisfied
	Elongation [%]	Min.400%	Not less than 80% of original property	558	530	95.0%	Satisfied
	Hardness Type A	60±10	Not to exceed the original property by more than 8	58	59	+1	Satisfied
	Tear* <sup>1</sup>	Min.400N/cm	/	741	/	/	Satisfied
	Compression Set* <sup>1</sup>	Max.30% (70±1°Cx22hrs)	/	16.4%	/	/	Satisfied
	Static Ozone Aging Test* <sup>1</sup>	No cracks after elongation by 20±2% and exposure to 50±5pphm at 40±2°C for 96hrs	/	No cracks	/	/	Satisfied
Inner Rubber	Tensile Strength [Mpa]	Min.10MPa	Not less than 80% of original property	14.8	14.8	100.0%	Satisfied
	Elongation [%]	Min.400%	Not less than 80% of original property	607	547	90.1%	Satisfied
	Hardness Type A	50±10	Not to exceed the original property by more than 8	48	51	+3	Satisfied

\*<sup>1</sup>: Annual Inspection Items

Note: Testing Method ISO

- 1) Tensile Strength: ISO 37:2011
- 2) Elongation: ISO 37:2011
- 3) Hardness: ISO 7619-1:2010
- 4) Tear: ISO 34-1:2010
- 5) Compression Set: ISO 815-1:2008
- 6) Static Ozone Aging Test: ISO 1431-1:2012

Inspection Date: 16 Jul-2023

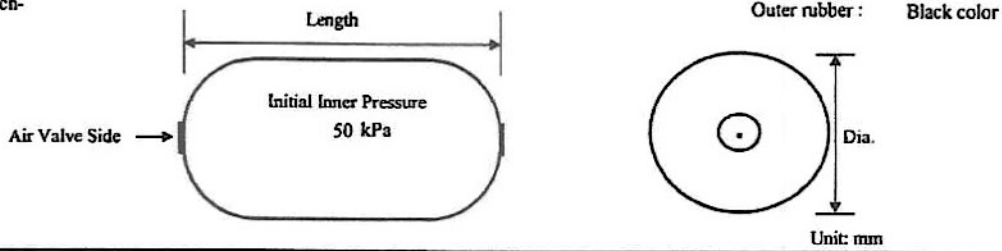
Inspected by: Iko Ramadhanto



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 9 9 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1237	Good
	Length mm	2000	+ 200 mm - 100 mm	2088	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
Longitudinal		Max 10%	-	-	
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

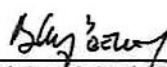
\*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

\*<sup>2</sup> Attached Sheet Page p. ~ p.

Inspection Date : Aug 25, 2023

Inspected by : Ryan



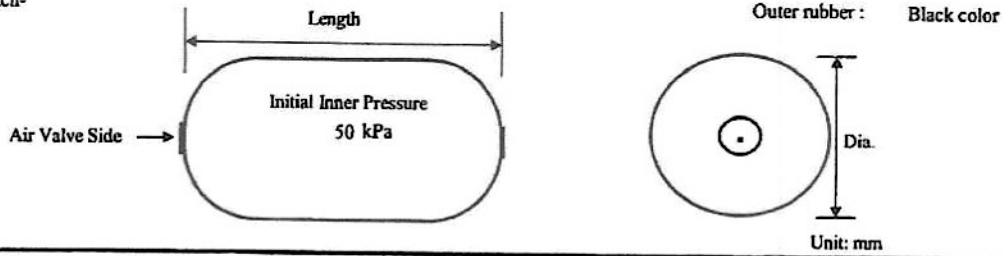
  
 Approved by: PT. Yokohama Industrial Products  
 Manufacturing Indonesia



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 1 0 2 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1232	Good
	Length mm	2000	+ 200 mm - 100 mm	2048	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

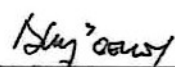
\*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

\*<sup>2</sup> Attached Sheet Page p. - p.

Inspection Date : Aug 30, 2023

Inspected by : Ryan



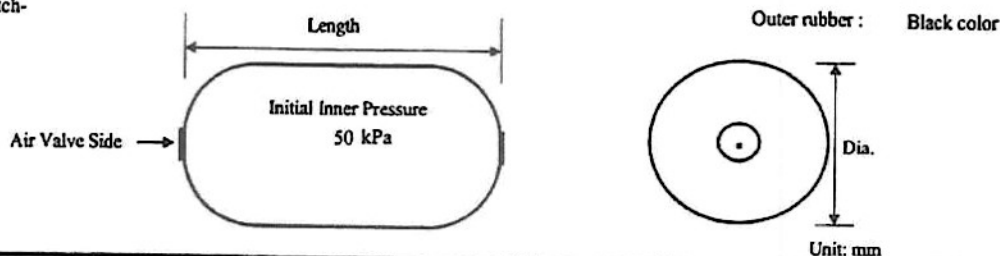
  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 1 0 3 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1237	Good
	Length mm	2000	+ 200 mm - 100 mm	2028	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

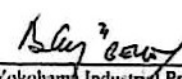
\*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

\*<sup>2</sup> Attached Sheet Page p. ~ p.

Inspection Date : Sept 05, 2023

Inspected by : Ryan



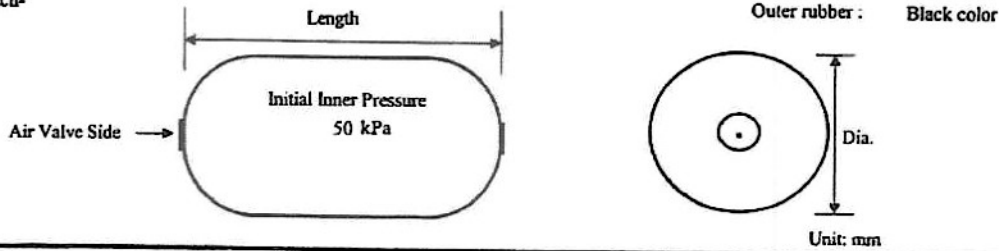
  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 1 0 4 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1236	Good
	Length mm	2000	+ 200 mm - 100 mm	2072	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test *1 Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection *2	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

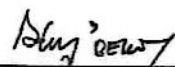
\*1 Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

\*2 Attached Sheet Page p. - p.

Inspection Date : Sept 08, 2023

Inspected by : Rvan



  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia

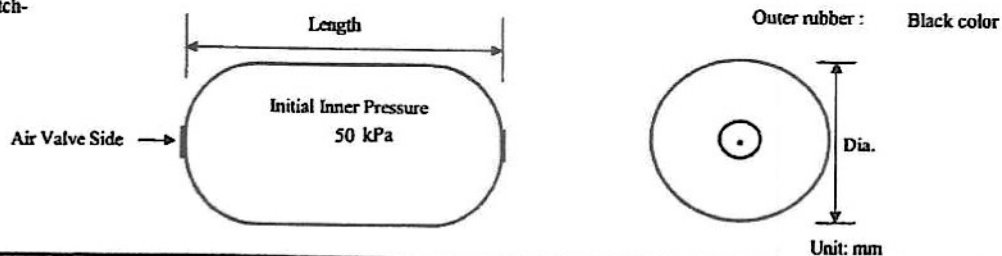




## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 1 0 5 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1225	Good
	Length mm	2000	+ 200 mm - 100 mm	2040	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
Longitudinal		Max 10%	-	-	
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

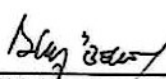
\*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

\*<sup>2</sup> Attached Sheet Page p. - p.

Inspection Date : Sept 20, 2023

Inspected by : Ryan



  
 Approved by: PT. Yokohama Industrial Products  
 Manufacturing Indonesia





PT. YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA (YIID)  
QUALITY CONTROL SECTION

JL. MAS SURYA NEGARA VIII NO.6  
KAWASAN INDUSTRI TERPADU KABIL  
BATAM 29476 · INDONESIA  
TEL: (62-778) 8070100 FAX: (62-778) 8070101

Report No. : AFQB-24-006  
Date. : Jan. 17, 2024

Purchaser : M/S FENDERCARE LIMITED

This certificate is issued to the above purchaser to certify that following fenders have been found to comply with the technical requirements for commercial fenders of ISO 17357-1 dated January 15, 2014


**YOKOHAMA PNEUMATIC RUBBER FENDER**

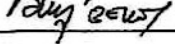
Size : 1200 mm Diameter X 2000 mm Length  
Fender Type : Type I  
Initial Internal Pressure : 50 kPa (Pneumatic 50)  
Drawing Number : FA-0816-01A  
Quantity : 4 pieces  
Serial No. : I OFX134B, I OFX135B, I OFX136B, I OFX137B  
Standard : ISO 17357-1 : 2014

The undernote test were carried out in accordance with the requirements of standard, and all the test results were satisfactory.

1. Material Test of Rubber
2. Dimensional Inspection
3. Air Leakage Test
4. Hydrostatic Pressure Test
5. Marking Inspection

PT. Yokohama Industrial Products  
Manufacturing Indonesia

Prepared by 

Approved by   
Quality Control Section

Reviewed by  
The Yokohama Rubber Co.,Ltd.

Checked by S. Shibayama

Approved by K. Kashi  
Quality Assurance Section  
Industrial Product Plants





PT. YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA (YIID)  
QUALITY CONTROL SECTION

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TEL: (62-778) 8070100 FAX: (62-778) 8070101

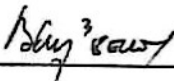
Report No. : AFQB-'24-006  
Date. : Jan. 17, 2024

### Material Certificate For Synthetic Tyre Cord

1. Type of Material : SYNTHETIC TYRE CORD
2. Serial Number of fenders : I OFX134B, I OFX135B, I OFX136B, I OFX137B

We hereby certify that the above fenders used the synthetic tyre cord.

PT.Yokohama Industrial Products Manufacturing Indonesia

  
\_\_\_\_\_



**YOKOHAMA**

PT YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA

JL. Mas Surya Negara VIII No.6, Kawasan  
Industri Terpadu Kabil, Batam, Indonesia

Tel. 62-778-8070100

Fax. 62-778-8070101

Report No. : AFQB-'24-006

Date : Jan. 17, 2024

Purchaser : M/S FENDERCARE LIMITED

**INSPECTION CERTIFICATE**

Y.R.C. Order No. : FJE0196  
Drawing No. : FA-0816-01A  
Article : YOKOHAMA PNEUMATIC  
RUBBER FENDERS 50kPa  
Size : 1200 mm Diameter × 2000 mm Length  
Quantity : 4 Pcs.  
Serial No. : I OFX134B, I OFX135B, I OFX136B, I OFX137B  
Note :

PT.Yokohama Industrial Products Manufacturing Indonesia

Prepared by



Approved by



## MATERIAL TEST CERTIFICATE

Items:		Outer Rubber & Inner Rubber					
Applicable Standards:		ISO 17357-1:2014 Section 9.2 & Table 3			[Room Temp. 23.2°C ]		
Rubber	Test Items	Standard		Test Result			Judgement
		Before Aging	After Aging* <sup>1</sup> (70°Cx 96hrs)	Before Aging	After Aging* <sup>1</sup> Value    %, point		
Outer Rubber	Tensile Strength [Mpa]	Min.18MPa	Not less than 80% of original property	23.9	23.7	99.2%	Satisfied
	Elongation [%]	Min.400%	Not less than 80% of original property	603.3	645.5	107.0%	Satisfied
	Hardness Type A	60±10	Not to exceed the original property by more than 8	60	58	-2	Satisfied
	Tear* <sup>1</sup>	Min.400N/cm	/	808	/	/	Satisfied
	Compression Set* <sup>1</sup>	Max.30% (70±1°Cx22hrs)	/	17.9%	/	/	Satisfied
	Static Ozone Aging Test* <sup>1</sup>	No cracks after elongation by 20±2% and exposure to 50±5pphm at 40±2°C for 96hrs	/	No cracks	/	/	Satisfied
Inner Rubber	Tensile Strength [Mpa]	Min.10MPa	Not less than 80% of original property	16.3	14.8	90.8%	Satisfied
	Elongation [%]	Min.400%	Not less than 80% of original property	705.2	689.2	97.7%	Satisfied
	Hardness Type A	50±10	Not to exceed the original property by more than 8	47	47	0	Satisfied

\*<sup>1</sup>: Annual Inspection Items

Note: Testing Method ISO

- 1) Tensile Strength:            ISO 37:2011
- 2) Elongation:                    ISO 37:2011
- 3) Hardness:                    ISO 7619-1:2010
- 4) Tear:                            ISO 34-1:2010
- 5) Compression Set:            ISO 815-1:2008
- 6) Static Ozone Aging Test:    ISO 1431-1:2012

Inspection Date: 25 Oct. 2023

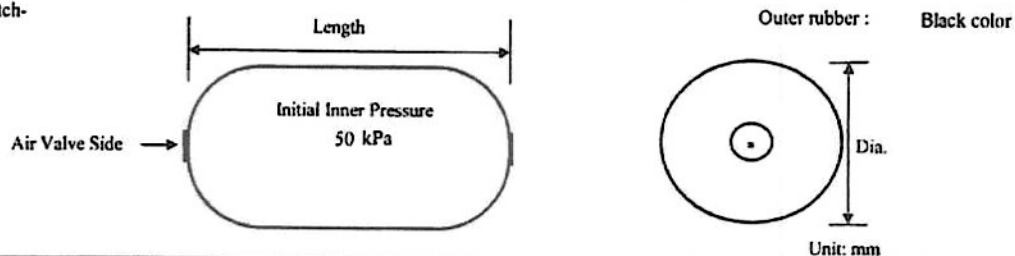
Inspected by: Joko Ramadhanto



## INSPECTION REPORT

Applicable Standard: ISO 17357-1 2014 & ISO 9001 2015  
 Drawing No : (Body) FA-0816-01A (Net) -  
 Article: YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
 Size: 1200 mm Diameter X 2000 mm Length  
 Serial No.: IOFX 1 3 4 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1232	Good
	Length mm	2000	+ 200 mm - 100 mm	2083	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

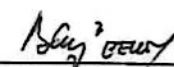
Note:

- \*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production
- \*<sup>2</sup> Attached Sheet Page p. ~ p.

Inspection Date : Nov 03, 2023

Inspected by : Ryan



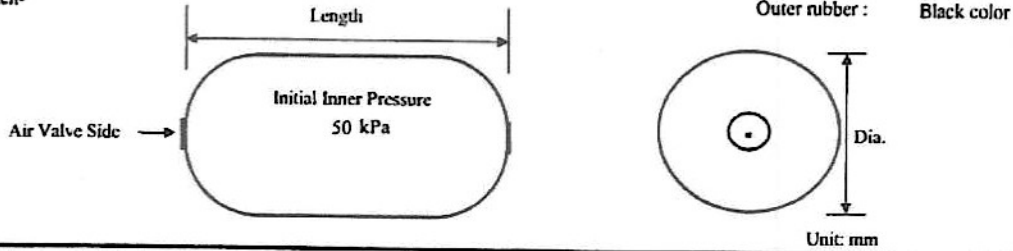
  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 1 3 5 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1227	Good
	Length mm	2000	+ 200 mm - 100 mm	2061	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

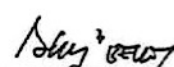
Note:

- \*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production
- \*<sup>2</sup> Attached Sheet Page p. - p.

Inspection Date : Nov 06, 2023

Inspected by : Ryan



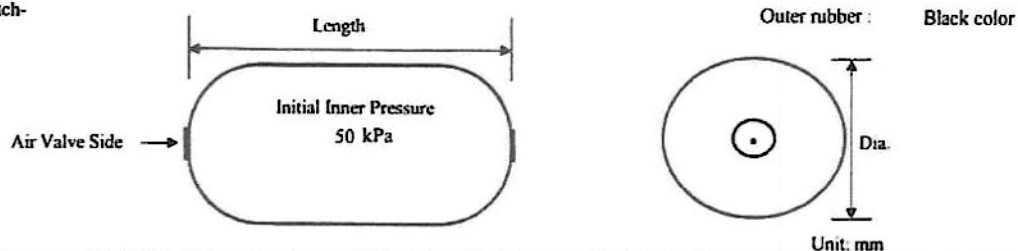
  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia



## INSPECTION REPORT

Applicable Standard: ISO 17357-1 2014 & ISO 9001 2015  
 Drawing No : (Body) FA-0816-01A (Net) -  
 Article: YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
 Size: 1200 mm Diameter X 2000 mm Length  
 Serial No.: IOFX 1 3 6 B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1239	Good
	Length mm	2000	+ 200 mm - 100 mm	2070	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test *1 Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection *2	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

- \*1 Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production
- \*2 Attached Sheet Page p. - p.

Inspection Date : Nov 06, 2023  
 Inspected by : Ryan



Approved by *Sty Bay*  
 PT. Yokohama Industrial Products  
 Manufacturing-Indonesia

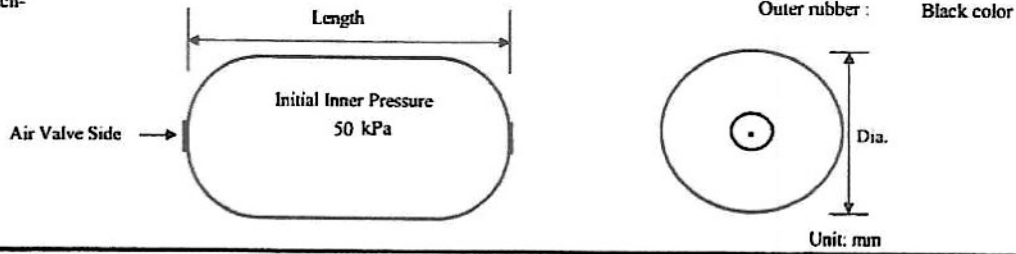




## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 1 3 7 B

-Sketch-



### INSPECTION RESULT

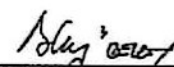
Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1236	Good
	Length mm	2000	+ 200 mm - 100 mm	2076	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

- \*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production
- \*<sup>2</sup> Attached Sheet Page p. - p.

Inspection Date : Nov 09, 2023  
 Inspected by : Ryan



  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia





PT. YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA (YIID)  
QUALITY CONTROL SECTION

JL. MAS SURYA NEGARA VIII NO.6  
KAWASAN INDUSTRI TERPADU KABIL  
BATAM 29476 - INDONESIA  
TEL: (62-778) 8070100 FAX: (62-778) 8070101

Report No. : AFQB-23-119  
Date. : Sept. 13, 2023

Purchaser : M/S FENDERCARE LIMITED

This certificate is issued to the above purchaser to certify that following fenders have been found to comply with the technical requirements for commercial fenders of ISO 17357-1 dated January 15, 2014


**YOKOHAMA PNEUMATIC RUBBER FENDER**

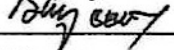
Size : 1200 mm Diameter X 2000 mm Length  
Fender Type : Type I  
Initial Internal Pressure : 50 kPa (Pneumatic 50)  
Drawing Number : FA-0816-01A  
Quantity : 4 pieces  
Serial No. : I OFX89B, I OFX90B, I OFX91B, I OFX92B  
Standard : ISO 17357-1 : 2014

The undernote test were carried out in accordance with the requirements of standard, and all the test results were satisfactory.

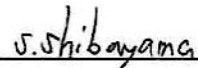
1. Material Test of Rubber
2. Dimensional Inspection
3. Air Leakage Test
4. Hydrostatic Pressure Test
5. Marking Inspection

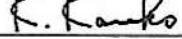
PT. Yokohama Industrial Products  
Manufacturing Indonesia

Prepared by 

Approved by   
Quality Control Section

Reviewed by  
The Yokohama Rubber Co.,Ltd.

Checked by 

Approved by   
Quality Assurance Section  
Industrial Product Plants





PT. YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA (YIID)  
QUALITY CONTROL SECTION

JL. MAS SURYA NEGARA VIII NO.6  
KAWASAN INDUSTRI TERPADU KABIL  
BATAM 29476 - INDONESIA  
TEL: (62-778) 8070100 FAX: (62-778) 8070101

Report No. : AFQB-23-119

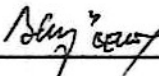
Date. : Sept. 13, 2023

### Material Certificate For Synthetic Tyre Cord

1. Type of Material : SYNTHETIC TYRE CORD
2. Serial Number of fenders : IOFX89B, IOFX90B, IOFX91B, IOFX92B

We hereby certify that the above fenders used the synthetic tyre cord.

PT.Yokohama Industrial Products Manufacturing Indonesia

  
\_\_\_\_\_



**YOKOHAMA**

PT YOKOHAMA INDUSTRIAL PRODUCTS  
MANUFACTURING INDONESIA  
Jl. Mas Surya Negara VIII No.6, Kawasan  
Industri Terpadu Kabil, Batam, Indonesia  
Tel. 62-778-8070100  
Fax. 62-778-8070101

Report No. : AFQB-23-119

Date : Sept. 13, 2023

Purchaser : M/S FENDERCARE LIMITED

**INSPECTION CERTIFICATE**

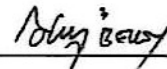
Y.R.C. Order No. : FJE0109-1  
Drawing No. : FA-0816-01A  
Article : YOKOHAMA PNEUMATIC  
RUBBER FENDERS 50kPa  
Size : 1200 mm Diameter × 2000 mm Length  
Quantity : 4 Pcs.  
Serial No. : IOFX89B, IOFX90B, IOFX91B, IOFX92B  
Note :

PT.Yokohama Industrial Products Manufacturing Indonesia

Prepared by



Approved by



## MATERIAL TEST CERTIFICATE

Items: Outer Rubber & Inner Rubber							
Applicable Standards: ISO 17357-1:2014 Section 9.2 & Table 3 [Room Temp. 23.2°C ]							
Rubber	Test Items	Standard		Test Result			Judgement
		Before Aging	After Aging* <sup>1</sup> (70°Cx 96hrs)	Before Aging	After Aging* <sup>1</sup> Value % , point		
Outer Rubber	Tensile Strength [Mpa]	Min.18MPa	Not less than 80% of original property	20.3	21.5	105.9%	Satisfied
	Elongation [%]	Min.400%	Not less than 80% of original property	558	530	95.0%	Satisfied
	Hardness Type A	60±10	Not to exceed the original property by more than 8	58	59	+1	Satisfied
	Tear* <sup>1</sup>	Min.400N/cm	/	741	/	/	Satisfied
	Compression Set* <sup>1</sup>	Max.30% (70±1°Cx22hrs)	/	16.4%	/	/	Satisfied
	Static Ozone Aging Test* <sup>1</sup>	No cracks after elongation by 20±2% and exposure to 50±5pphm at 40±2°C for 96hrs	/	No cracks	/	/	Satisfied
Inner Rubber	Tensile Strength [Mpa]	Min.10MPa	Not less than 80% of original property	14.8	14.8	100.0%	Satisfied
	Elongation [%]	Min.400%	Not less than 80% of original property	607	547	90.1%	Satisfied
	Hardness Type A	50±10	Not to exceed the original property by more than 8	48	51	+3	Satisfied

\*<sup>1</sup>: Annual Inspection Items

Note: Testing Method ISO

- 1) Tensile Strength: ISO 37:2011
- 2) Elongation: ISO 37:2011
- 3) Hardness: ISO 7619-1:2010
- 4) Tear: ISO 34-1:2010
- 5) Compression Set: ISO 815-1:2008
- 6) Static Ozone Aging Test: ISO 1431-1:2012

Inspection Date: 16 Jul. 2023

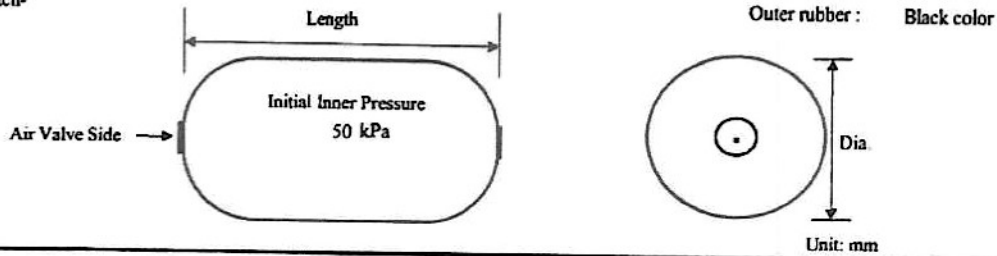
Inspected by: Joko Ramadhanto



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 9 | B

-Sketch-



### INSPECTION RESULT

Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1232	Good
	Length mm	2000	+ 200 mm - 100 mm	2081	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

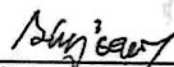
Note:

- \*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production  
 \*<sup>2</sup> Attached Sheet Page p. ~ p.

Inspection Date : Jul 25, 2023

Inspected by : Ryan



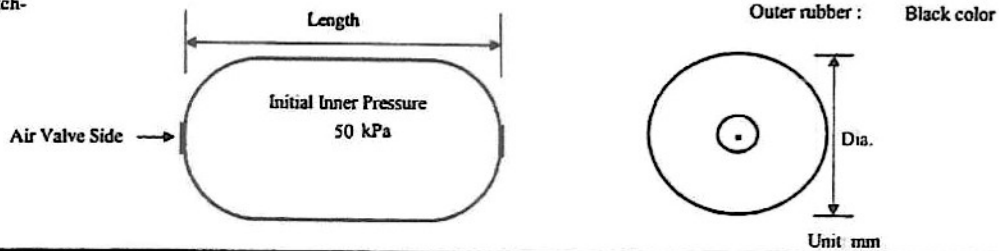
  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia



## INSPECTION REPORT

**Applicable Standard:** ISO 17357-1 2014 & ISO 9001 2015  
**Drawing No :** (Body) FA-0816-01A (Net) -  
**Article:** YOKOHAMA PNEUMATIC RUBBER FENDERS 50 kPa  
**Size:** 1200 mm Diameter X 2000 mm Length  
**Serial No.:** IOFX 9 2 B

-Sketch-



### INSPECTION RESULT

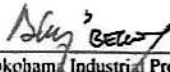
Inspection Items		Standard		Result	Judgement
Appearance (including Marking)		No Defect		No Defect	Good
Dimension Inner Pressure at 50 kPa	Diameter mm	1200	+ 120 mm - 60 mm	1257	Good
	Length mm	2000	+ 200 mm - 100 mm	2110	Good
Air Leakage Test Inner Pressure at 50 kPa	Leak Detector	No Leakage		No Leakage	Good
	Keep Pressure at 30min	No Leakage		No Leakage	Good
Hydrostatic Pressure Test * <sup>1</sup> Inner Pressure at 200 Kpa	Appearance	No Leakage & No Defect		-	-
	Temporary Elongation	Circumferential	Max 10%	-	-
		Longitudinal	Max 10%	-	-
Dimension of Flange opening or bead ring		less than 0.2D	( 240 ) mm	60 mm	Good
Net Inspection * <sup>2</sup>	Net Type	D/# :	-	-	-
	Chain Material	Main Chain:	-	-	-
	Chain Dia. mm	Main Chain:	-	-	-
	Appearance	No Defect		-	-

Note:

- \*<sup>1</sup> Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production  
 \*<sup>2</sup> Attached Sheet Page p. ~ p.

Inspection Date : Jul 28, 2023  
 Inspected by : Ryan



  
 Approved by PT. Yokohama Industrial Products  
 Manufacturing Indonesia



**Undertaking for Zero-Rated Supplies**  
**(Under Section 33 of Executive Regulation no 52 of 2017)**

I the Captain/Owner's agent of xxxxxxxxxx(Ship No) # IMO: xxxxxxxxxxxx confirm that on this day (Wednesday) dated (24/04/2024), we have received the Goods/services listed below from VesNIG Marine Services LLC with TRN \_100454898600003\_ and I further confirm that to the **best of my knowledge**:

- I. The above-mentioned Vessel is going to perform an **international journey**.
- II. The next **Foreign port of destination** is \_\_\_\_\_.
- III. The approximate date of departure from UAE Territorial waters of the vessel is \_\_\_\_\_.
- IV. The goods will be used, consumed or sold **on or by the ship** during the international journey.
- V. The goods have been **Delivered** to the agreed location.

**Schedule of the zero-rated supplies listed under this undertaking:**

Sr No	Date	DO NUMBER	INVOICE NUMBER	REMARKS
1	24/04/2024	DN 2024/5090	2024/5090	Yokohama fender c/w chain & tyre net cage with ropes
2				
3				
4				
5				
6				
7				
8				
9				
<u>10</u>				

<b>Captain/ Agent Signature+</b>	<b>Vessel Stamp</b>
----------------------------------	---------------------

**Note:** This Undertaking needs to be filled for applying Zero-rate tax on supplies made to ships. Otherwise, VAT @ 5% will be applicable on all supplies (Goods/ Services) made to ship.