

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

FENDERCARE LIMITED M/S

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 undemote 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

Reviewed by

The Yokohama Rubber Co., Ltd.

Prepared by _

Checked by

Approved by Suy any

Quality Assurance Section

Approved by

Industrial Product Plants

Quality Control Section



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 :

I OFX98B, I OFX99B, I OFX100B, I OFX101B,

I OFX102B, I OFX103B, I OFX104B, I OFX105B

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-'23-136

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

Ite	ms:	Outer Rubber & Inner Rubber					
Ap	plicable Standards:	ISO 17357-1:2014 Section 9.2 &	Table 3	[Roc	m Temp.	23.2°℃]
Je.		Standar	rd		Test Resu	lt	
Rubber	Test Items	Before Aging	After Aging*1	Before	After	Judgement	
-			(70°Cx 96hrs)	Aging	Value	%, point	
	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
Rubber	Hardness Type A	60±10	Not to exceed the original property by more than 8	58	59	+1	Satisfied
Outer R	Tear* ¹	Min.400N/cm		741			Satisfied
	Compression Set*1	Max.30% (70±1°Cx22hrs)		16.4%			Satisfied
	Static Ozone Aging Test* ¹	No cracks after elongation by 20±2% and exposure to 50±5pphm at 40±2°C for 96hrs		No cracks			Satisfied
)er	Tensile Strength [Mpa]	Min.10MPa	Not less than 80% of original property	14.8	14.8	100.0%	Satisfied
Inner Rubber	Elongation [%]	Min.400%	Not less than 80% of original property	607	547	90.1%	Satisfied
耳	Hardness Type A	50±10	Not to exceed the original property by more than 8	48	51	+3	Satisfied

*1: 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:

Inspected by:

16 Jul 2023

oko Ramadhanto

881

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

50 kPa

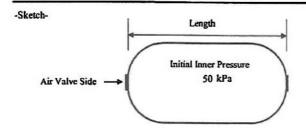
Size:

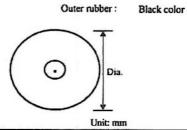
1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX

9 9 B





INSPECTION RESULT

4.00		Ins	pection I	tems	S	tandard			Result		Judgement
А	ppe	arance	(includi	ing Marking)	No.	Defect			No Defect		Good
Dimension Inner Pressure				Diameter mm	1200	+	120 60	mm mm	1237		Good
	at	50	kPa	Length mm	2000	+	200 100	mm mm	2088		Good
Air Leakage Test Inner Pressure				Leak Detector	No	No Leakage			No Leakag	e	Good
	at	50	kPa	Keep Pressure at 30min	No	Leakage			No Leakag	e	Good
Hydrostatic Pressure Test •1				Appearance	No Leaka	ge & No I					
Inner Pressure				Temporary Elongation	Circumferential		Max	10%	-		
	at	200	Kpa	Temporary Diougation	Longitudinal		Max	10%	•		
Dimension of Flang	ge op	ening	or bead	ring	less than 0.2D	(240) mm		60	mm	Good
				Net Type	D/# :		•				
Net Inspection *2 Chain Material Chain Dia. mm		Chain Material	Main Chain:								
		Main Chain:									
	Appearance			N	Defect			-			

Note:

Inspection Date: Aug 25, 2023 Inspected by: Ryan



Approved by Thirty Schame Industrial Products

^{*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.

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

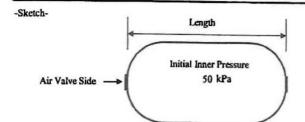
50 kPa

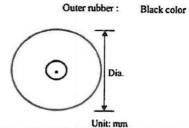
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX I 0 2 B





INSPECTION RESULT

Inspection	Items	Stan	dard			Result	$\neg \tau$	Judgemen
Appearance (include	ing Marking)	No E	efect			No Defect	\neg	Good
Dimension Inner Pressure	Diameter mm	1200	÷ -	120 60	mm mm	1232	\top	Good
at 50 kPa	Length mm	2000	+	200 100	mm mm	2048		Good
Air Leakage Test Inner Pressure	Leak Detector	No Le	akage			No Leakage		Good
at 50 kPa	Keep Pressure at 30min	No Le	akage			No Leakage	1	Good
Hydrostatic Pressure Test e1	Appearance	No Leakage & No Defect						•
Inner Pressure	Temporary Elongation	Circumferential		Max	10%	-	T	
at 200 Kpa	remperary Elengation	Longitudinal	1	Max	10%		\neg	•
Dimension of Flange opening or bead	ring	less than 0.2D	240) mm		60 m	ım	Good
	Net Type	D/#:		-			\top	
Net Inspection *2	Chain Material	Main Chain:					\neg	-
	Chain Dia. mm	Main Chain:				-	\neg	-
	Appearance	No D	No Defect					

Note:

*2 Attached Sheet Page p. ~ p.

Inspection Date : Aug 30, 2023 Inspected by : Ryan



Approved by PT. Yokohama Industrial Products

Manufacturing Indonesia

FENDERCARE

^{*} Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

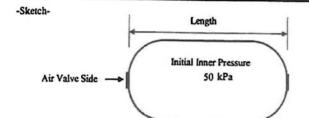
50 kPa

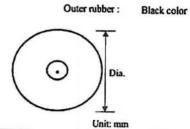
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 0 3 B





INSPECTION RESULT

Inspection I	tems	S	andard			Result		Judgemen
Appearance (includ	ing Marking)	No	Defect			No Defec	t	Good
Dimension Inner Pressure	Diameter mm	1200	+	120 60	mm mm	1237		Good
at 50 kPa	Length mm	2000	+	200 100	mm mm	2028		Good
Air Leakage Test Inner Pressure	Leak Detector	No	Leakage			No Leakaş	ge	Good
at 50 kPa	Keep Pressure at 30min	No	Leakage			No Leakag	ge	Good
Hydrostatic Pressure Test ^{e1}	Appearance	No Leaka	gc & No D	efect		•		-
Inner Pressure	Temporary Elongation	Circumferential		Max	10%			
at 200 Kp2		Longitudinal		Max	10%	•		•
Dimension of Flange opening or bead	ring	less than 0.2D	(240) mm		60	mm	Good
	Net Type	D/# :		-				
Net Inspection *2	Chain Material	Main Chain:						-
1000 Service 10 M - 100 Service 10 Service 1	Chain Dia. mm	Main Chain:						
	Appearance	No Defect						

Note:

Inspection Date : Sept 05, 2023 Inspected by : Ryan





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

^{•2} Attached Sheet Page p. ~ p.

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

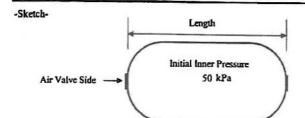
50 kPa

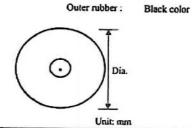
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 0 4 B





INSPECTION RESULT

			INSPECTION RESUL	-1					
L	spection	ltems	St	andard			Result		Judgemen
	ce (includ	ling Marking)	No	Defect			No Defec	t	Good
Dimension Inner Pressure		Diameter mm	1200	+	120 60	mm mm	1236		Good
at 50	kPs	Length mm	2000	+	200 100	mm mm	2072		Good
Air Leakage Test Inner Pressure		Leak Detector	No	No Leakage			No Leakag	ge .	Good
at 50	kPa	Keep Pressure at 30min	No	Leakage			No Leakag	ge	Good
Hydrostatic Pressure Test *1		Appearance	No Leakag	e & No D	efect		-		-
Inner Pressure		Temporary Elongation	Circumferential		Max	10%			
at 200	Kpa	,,	Longitudinal		Max	10%	-		-
Dimension of Flange opening	ng or bead	l ring	less than 0.2D	(240) mm		60	mm	Good
		Net Type	D/#:		-	T	•		-
Net Inspection *2	Net Inspection •2		Main Chain:						•
•		Chain Dia. mm	Main Chain:				-		-
		Appearance	No	Defect					

Note:

*2 Attached Sheet Page p. ~ p.

Inspection Date : Sept 08, 2023 Inspected by : Ryan





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

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

50 kPa

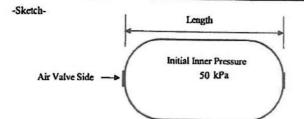
Black color

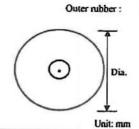
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 0 5 B





INSPECTION RESULT

		Ins	pection	Items	5	tandard			Result		Judgement
	Appe	aranc	e (includ	ling Marking)	N	o Defect			No Defe	et	Good
Dimension Inner Pressure		474		Diameter mm	1200	+	120 60	mm mm	1225		Good
	at	50	kPa	Length mm	2000	+	200 100	mm mm	2040		Good
Air Leakage Test Inner Pressure	ı			Leak Detector	No	Leakage		1	No Leaka	ge	Good
	at	50	kPa	Keep Pressure at 30min	No	Leakage			No Leaka	ge	Good
Hydrostatic Pressure Test •1	a1			Appearance	No Leaka	ge & No D	efect				-
Inner Pressure				Temporary Elongation	Circumferential		Max	10%			
	at	200	Kps	,,	Longitudinal		Max	10%	-		
Dimension of Fla	nge o _l	ening	or bead	l ring	less than 0.2D	(240) ताक्रा		60	mm	Good
				Net Type	D/#:		-				-
Net Ins	nectio	n +2		Chain Material	Main Chain:			\neg			
				Chain Dia. mm	Main Chain:		-		-		-
				Appearance	Ne	Defect					

Note:

Inspection Date : Sept 20, 2023 Inspected by : Ryan



Approved by PT. Yokohama Industrial Products

^{*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.



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 Diamet

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

Reviewed by

The Yokohama Rubber Co., Ltd.

PT. Yokohama Industrial Products

Manufacturing Indonesia

Prepared by _

Month

Checked by _

0.011100001

Approved by Suy eary

Quality Control Section

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-'24-006

Date.

: Jan. 17, 2024

Material Certificate For Synthetic Tyre Cord

1. Type of Material

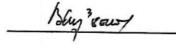
SYNTHETIC TYRE CORD

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 l

MATERIAL TEST CERTIFICATE

Ite	ms:	Outer Rubber & Inner Rubber					
Ap	plicable Standards:	ISO 17357-1:2014 Section 9.2 &	Table 3	[Roo	m Temp.	23.2°C]
e e		Standar	rd		Test Resu	lt	
Rubber	Test Items	Before Aging	After Aging*	Before	After .	Aging*1	Judgement
			(70°Cx 96hrs)	Aging	Value	%, point	
	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
ubber	Hardness Type A	60±10	Not to exceed the original property by more than 8	60	58	-2	Satisfied
Outer Rubber	Tear* ¹	Min.400N/cm		808	/	/	Satisfied
	Compression Set*1	Max.30% (70±1°Cx22hrs)		17.9%	/		Satisfied
	Static Ozone Aging Test* ¹	No cracks after elongation by 20±2% and exposure to 50±5pphm at 40±2°C for 96hrs		No cracks			Satisfied
Der	Tensile Strength [Mpa]	Min.10MPa	Not less than 80% of original property	16.3	14.8	90.8%	Satisfied
Inner Rubber	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

^{*1:} 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





RE MIDULE

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

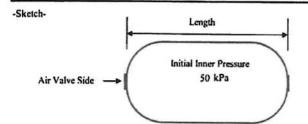
50 kPa

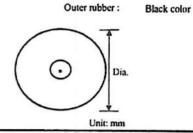
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 3 4 B





INSPECTION RESULT

		Ins	pection I	tems		Standard			Result		Judgemen
	Appea	rance	(includi	ng Marking)		No Defect			No Defec	t	Good
Dimension Inner Pressure				Diameter mm	1200	+	120 60	mm mm	1232		Good
	at	50	kPa	Length mm	2000	+	200 100	mm mm	2083		Good
Air Leakage Test Inner Pressure				lo Leskage			No Leaka	ge	Good		
	at	50	kPa	Keep Pressure at 30min	N	Vo Leakage	- 1000000		No Leakage		Good
Hydrostatic Pressure Test *1				Appearance	No Leal				2		
Inner Pressure			ı	Temporary Elongation	Circumferential		Max	10%			
	at 2	200	Kpa	any creaty distinguished	Longitudinal		Max	10%			-
Dimension of Flar	ige ope	ning	or bead	ring	less than 0.2D	(240) mm		60	mm	Good
			Net Type	D/# :							
Net Inspection *2	Chain Material	Main Chain:									
COMPANIE FOR THE		Chain Dia. mm	Main Chain:		•						
	Appearance No Defect										

Note:

Inspection Date: Nov 03, 2023 Inspected by : Ryan





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

[•]¹ Attached Sheet Page p. ~ p.

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

50 kPa

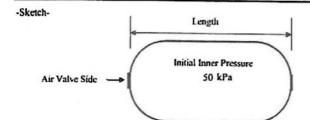
Black color

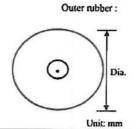
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 3 5 B





INSPECTION RESULT

	spection l		S	tandard			Result	Judgemen
	e (includ	ing Marking)	N	Defect			No Defect	Good
Dimension Inner Pressure		Diameter nun	1200	+	120 60	mm mm	1227	Good
at 50	kPa	Length mm	2000	+	200 100	mm mm	2061	Good
Air Leakage Test Inner Pressure		Leak Detector	No	Leakage			No Leakage	Good
at 50	kPa	Keep Pressure at 30min	No	Leakage			No Leakage	Good
Hydrostatic Pressure Test •1		Appearance	No Leaka	ge & No De			-	
Inner Pressure		Temporary Elongation	Circumferential		Max	10%		
at 200	Kpa	Jonganon	Longitudinal		Max	10%		
Dimension of Flange openin	g or bead	ring	less than 0.2D	(240) mm		60 mm	Good
		Net Type	D/# :		-			
Net Inspection *2		Chain Material	Main Chain:				•	
•		Chain Dia, mm	Main Chain:					
			No	Defect				

Note:

* Attached Sheet Page p. - p.

Inspection Date: Nov 06, 2023 Inspected by : Ryan

Approved by PT. Yokohama Industrial Products

Manufacturing Indonesia

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

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

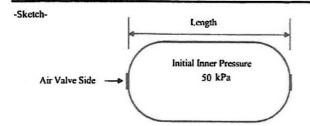
50 kPa

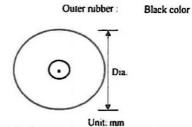
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 3 6 B





INSPECTION RESULT

		Ins	pection	liems		Stand	ard			Result		Judgement
	Appe	aranc	e (includ	ing Marking)		No De	fect			No Defect		Good
Dimension Inner Pressure				Diameter mm	1200		+	120 60	mm mm	1239		Good
	at	50	kPa	Length mm	2000		+	200 100	mm mm	2070		Good
Air Leakage Test Inner Pressure				Leak Detector		lo Lea	kage			No Leakag	e	Good
	at 50 ydrostatic		kPa	Keep Pressure at 30min	No Leakage					No Leakag	e	Good
Hydrostatic Pressure Test *1				Appearance	No Leal		-					
Inner Pressure				Temporary Elongation	Circumferential			Max	10%	-		
	at	200	Kpa	romporary zionganon	Longitudinal			Max	10%	•		
Dimension of Fla	nge oj	pening	or bead	riog	less than 0.2D	(240) mm		60	mm	Good
Net Inspection *2 Chai		Net Type	D/#:									
		Chain Material	Main Chain:									
		Chain Dia, nun	Main Chain:							•		
	Appearance								-			

Note:

Inspection Date: Nov 06, 2023 Inspected by: Ryan



Approved by PT. Yokohama Industrial Products

Manufacturing Indonesia

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

[•] Attached Sheet Page p. - p.

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

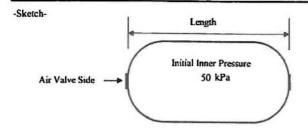
50 kPa

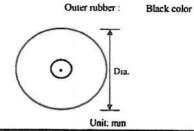
Size:

1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX 1 3 7 B





INSPECTION RESULT

		Ins	pection	Items		Standard			Result	Judgemen
A	\ppea	rance	e (includ	ling Marking)		No Defect			No Defect	Good
Dimension Inner Pressure				Diameter mm	1200	+	120 60	mm mm	1236	Good
	at	50	kPa	Length mm	2000	+	200 100	mm mm	2076	Good
Air Leakage Test Inner Pressure				Leak Detector		No Leakage	:		No Leakage	Good
	at	50	kPa	Keep Pressure at 30min		No Leakage			No Leakage	Good
Hydrostatic Pressure Test *1	,i			Appearance	No Lea	ikage & No				
Inner Pressure				Temporary Elongation	Circumferential		Max	10%		
	at	200	Kpa	Language Company	Longitudinal		Max	10%	•	
Dimension of Flang	ge op	ening	or bead	l ring	less than 0.2D	(240) mm		60 mm	Good
				Net Type	D/#:				-	
Net Inspe	ection	. *2		Chain Material	Main Chain:				•	
				Chain Dia. mm	Main Chain:				•	
	Appearance			Appearance		No Defect				·

Note:

*2 Attached Sheet Page p. - p.

Inspection Date: Nov 09, 2023 Inspected by: Ryan





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



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

Reviewed by

The Yokohama Rubber Co., Ltd.

Checked by

Approved by

Quality Assurance Section

Industrial Product Plants

Prepared by ___

Approved by Suy Cour



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

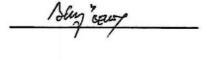
SYNTHETIC TYRE CORD

2. Serial Number of fenders :

I OFX89B, I OFX90B, I OFX91B, I OFX92B

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.

I OFX89B, I OFX90B, I OFX91B, I OFX92B

Note

PT.Yokohama Industrial Products Manufacturing Indonesia

Prepared by

Approved by

MATERIAL TEST CERTIFICATE

Ite	ms:	Outer Rubber & Inner Rubber					
Ap	plicable Standards:	ISO 17357-1:2014 Section 9.2 &	Table 3	[Roo	т Тетр.	23.2°C]
5		Standar	ď		Test Resu	llt	
Rubber	Test Items	Before Aging	After Aging*1 (70°Cx 96hrs)	Before Aging			Judgement
	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
upper	Hardness Type A	60±10	Not to exceed the original property by more than 8	58	59	+1	Satisfied
Outer Rubber	Tear* ¹	Min.400N/cm		741			Satisfied
	Compression Set*1	Max.30% (70±1°Cx22hrs)		16.4%			Satisfied
	Static Ozone Aging Test*	No cracks after elongation by 20±2% and exposure to 50±5pphm at 40±2°C for 96hrs		No cracks			Satisfied
)er	Tensile Strength [Mpa]	Min.10MPa	Not less than 80% of original property	14.8	14.8	100.0%	Satisfied
Inner Rubber	Elongation [%]	Min.400%	Not less than 80% of original property	607	547	90.1%	Satisfied
II.	Hardness Type A	50±10	Not to exceed the original property by more than 8	48	51	+3	Satisfied

*1: Annual Inspection Items

Testing Method ISO Note:

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



Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

50 kPa

Black color

Size:

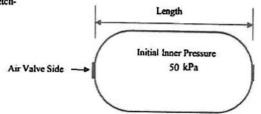
1200 mm Diameter X 2000 mm Length

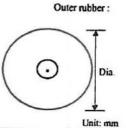
Serial No.:

IOFX

9 I B

-Sketch-





INSPECTION RESULT

Inspection I	Standard		Result	Judgement	
Appearance (includ	No Do	efect	No Defect	Good	
Dimension Inner Pressure	Diameter mm	1200	+ 120 mm - 60 mm	1 1232	Good
at 50 kPa	Length mm	2000	+ 200 mm - 100 mm	2081	Good
Air Leakage Test Inner Pressure	Leak Detector	No Lea	ıkage	No Leakage	Good
at 50 kPa	Keep Pressure at 30min	No Les	ikage	No Leakage	Good
Hydrostatic Pressure Test *1	Appearance	No Leakage å		•	
Inner Pressure	Temporary Elongation	Circumferential	Max 10	% -	
at 200 Kpa		Longitudinal	Max 10	% -	•
Dimension of Flange opening or bead	ring	less than 0.2D (240) mm	60 mm	Good
Net Type Chain Material		D/# :			
		Main Chain:		-	
	Chain Dia. mm	Main Chain:			
	Appearance	No De	fect		

Note:

Inspection Date : Jul 25, 2023 Inspected by : Rvan





^{*} Frequency of the test shall be one per 20 fenders of each size and pressure on continuous production

^{*2} Attached Sheet Page p. ~ p.

Applicable Standard:

ISO 17357-1 2014 & ISO 9001 2015

Drawing No:

(Body)

FA-0816-01A

(Net)

Article:

YOKOHAMA PNEUMATIC RUBBER FENDERS

50 kPa

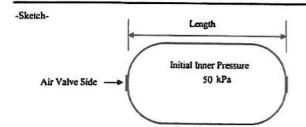
Size:

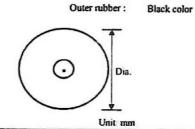
1200 mm Diameter X 2000 mm Length

Serial No.:

IOFX

9 2 B





INSPECTION RESULT

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

Note:

Inspection Date: Jul 28, 2023

Inspected by : Ryan





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

^{*} Attached Sheet Page p. ~ p.

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: xxxxxxxxxx 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:

l.	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				, and ange many appear
3	00000000000000000000000000000000000000			
4				
5				
6				
7				
8				
9				
10				

Captain/ Agent Signature+	Vessel Stamp		

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.