



广东新船重工有限公司
Guangdong Bonnyfair Heavy Industry Limited

航行试验报告

Sea trial report

73.6m ROPAX CATAMARAN FERRY

产品名称 Pro Name: DOÑA MERCEDES
产品编号 Hull No: HY-2186



船舶试验记录

INSPECTION AND TEST RECORD


广东新船重工有限公司

Guangdong Bonnyfair Heavy Industry Limited

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 广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd.					
航行试验状态记录单 Sea Trial Conditions Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888
Meteorological And Waters Conditions 气象和水域条件					
天气: Weather:	sunny	风速: Wind Speed:	0.3 m/s	风向: Wind Direction:	northeast
气温: Air Temp.:	18° C	气压: Air Pressure:	\ Pa	能见度: Visibility:	\ m
水深: Depth of Water:	28 m	浪高: Wave Height:	\ m	流速: Water Speed:	1.5 m/s
Draft Readings 吃水读数					
位置: Location:	左舷: Port:		右舷: Starboard:		
Forward 艏	2.56 m		2.5 m		
Midship 舢	\ m		2.48 m		
Aft 艉	2.53 m		2.48 m		
水比重: Water S.G.	0.999	水温: Water Temp.:	17° C	纵倾状态: Trim State:	trim by stem
试验地点: Test Place:	surrounding areas of guishan island	试验日期: Test Date:	2016/11/30	船舶状况: Ship Condition:	well
开始时间: Start Time:	9:00		结束时间: End Time:	23:30	
备注 Remarks					
质检 QC	<i>Zhush Zhang 30/11/2016</i>				
船级社 LR class	<i>[Signature] 30/11/2016</i>				
船东 Owner	<i>[Signature] 30 Nov 2016</i>				



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

航行试验状态记录单 Sea Trial Conditions Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				日期: 2017.7.11 Date: July 11, 2017
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888
Meteorological And Waters Conditions 气象和水域条件					
天气: Weather:	sunny	风速: Wind Speed:	0.3 m/s	风向: Wind Direction:	southwest
气温: Air Temp.:	29° C	气压: Air Pressure:	— Pa	能见度: Visibility:	— m
水深: Depth of Water:	28 m	浪高: Wave Height:	— m	流速: Water Speed:	1.5 m/s
Draft Readings 吃水读数					
位置: Location:	左舷: Port:			右舷: Starboard:	
Forward 艏	2.58 m			2.55 m	
Midship 舯	— m			— m	
Aft 艉	2.55 m			2.55 m	
水比重: Water S.G.					
1	水温: Water Temp.:	28°	纵倾状态: Trim State:	trim by stem	
试验地点: Test Place:	surrounding areas of guishan islnd	试验日期: Test Date:	11-Jul-17	船舶状况: Ship Condition:	well
开始时间: Start Time:	9:30		结束时间: End Time:	0:30	
备注 Remarks					
质检 QC	2017-7-11				
船级社 LR class					
船东 Owner	2017-9-4				



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

航行试验状态记录单 Sea Trial Conditions Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				日期: 2017.8.30 Date: Aug 30, 2017
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888
Meteorological And Waters Conditions 气象和水域条件					
天气: Weather:	cloudy sky	风速: Wind Speed:	— m/s	风向: Wind Direction:	southwest
气温: Air Temp.:	° C	气压: Air Pressure:	— Pa	能见度: Visibility:	— m
水深: Depth of Water:	— m	浪高: Wave Height:	— m	流速: Water Speed:	— m/s
Draft Readings 吃水读数					
位置: Location:	左舷: Port:	右舷: Starboard:			
Forward 艏	2.54 m	2.51 m			
Midship 舯	— m	— m			
Aft 艉	2.51 m	2.5 m			
水比重: Water S.G.	1	水温: Water Temp.:	—° C	纵倾状态: Trim State:	trim by stem
试验地点: Test Place:	surrounding areas of guishan islnd	试验日期: Test Date:	30-Aug-17	船舶状况: Ship Condition:	well
开始时间: Start Time:	10:30		结束时间: End Time:	20:00	
备注 Remarks					
质检 QC					
船级社 LR class					
船东 Owner					

 广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd. 航行试验压载状态记录单 Sea Trial Ballast Conditions Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No. : 9772888	
序号 serial no.	舱名 name of tank	位置 location	试航前液面高度 (mm) sounding before sea trail	试航后液面高度 (mm) sounding after sea trail	
01	FO OVERFLOW TANK 燃油溢流舱	FR7~8	0	0	
02	FO DAY TANK (P) 燃油日用舱 (P)	FR9~15	1360	1340	
03	FO DAY TANK (S) 燃油日用舱 (S)	FR9~15	1350	1210	
04	FO TANK 03 (P) 燃油舱 03 (P)	FR26~31	0	0	
05	FO TANK 03 (S) 燃油舱 03 (S)	FR26~31	0	0	
06	FO TANK 04 (P) 燃油舱 04 (P)	FR44~49	0	0	
07	FO TANK 04 (S) 燃油舱 04 (S)	FR44~49	0	0	
08	FRESH WATER TANK 淡水舱	FR26~31	1500	1500	
09	LUBRICATE OIL TANK 滑油舱	FR8~9	0	0	
10	DIRTY OIL TANK 污油舱	FR7~8	0	0	
11	BILGE WATER TANK 舱底水舱	FR8~9	1250	1250	
12	GREY WATER TANK (P) 灰水罐 (P)	FR28~31	0	0	
13	GREY WATER TANK (S) 灰水罐 (S)	FR28~31	0	0	
14	GREY WATER TANK (S) 灰水罐 (S)	FR30~31	0	0	
位置 location	实际压载 (T) site ballast	设计压载 (T) designed ballast		实际压载 (T) site ballast	备注
FR56		21		29.037	
FR53-100		33		33.4	
FR49+1000		21		20.506	
FR47-350		21		21.14	
FR44-550		21		19.8	
FR25-50	11.73	16	16	11.59	
FR16+150	16.2	16.5	16.5	17	
FR7+350	16.3	16.5	16.5	16.3	
质检 QC	<i>Zhush Zhang 29/11-2016</i>				
船级社 LR class	<i>[Signature] 30/11/2016</i>				
船东 Owner	<i>[Signature] Eric Chu 30 Nov 2016</i>				



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

左机舱外侧主机试验记录单
Port Machine Room Outside Main Enginer Test Record Sheet

船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY															
船号: HULL NO.:	HY-2186				船级社: Classification				LR		IMO No.:		9772888			
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)	滑油温度 L.O.T (°C)	燃油压力 F.O.P (bar)	冷却水温度 C.W.T (°C)	冷却水压力 C.W.P (bar)	进气压力 R.A.P (bar)	排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)				齿轮箱 Gear Box	
									A	B	轴封 shaft seal	齿轮箱 输出 gearbox output	齿轮箱 输入 gearbox input	主机飞 轮端 Main engine flywheel	液压油 压力 Hyd. O.P (bar)	滑油温度 L.O.T (°C)
50%	1587	13:18	6.5	81	7	84	3.4	1.98	562	586	32	45	49	55	19.7	50
75%	1817	13:53	6.7	83	7.1	87	4.3	2.85	615	622	33	45	50	53	19.8	51
85%	1895	15:02	6.8	83	7.1	86	4.5	2.94	657	663	33	46	50	54	19.6	53
100%	2000	18:58	6.8	86	7.2	88	5	3.17	661	667	34	47	52	56	19.8	54
	2000	20:06	6.7	85	7	87	5	3.19	665	668	35	47	52	57	19.7	56
	2000	21:07	6.8	86	7.1	84	4.9	3.18	670	671	34	48	53	58	19.8	56
	2000	22:15	6.9	86	7.1	89	5	3.19	672	673	34	46	51	58	19.7	55
110%	2055	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
倒车 ASTERN																
70%	1771	23:07	6.7	82	7	87	3.4	2.56	588	590	32	47	49	53	19.8	51
备注 Remarks																
质检 QC	<i>于林 2016.11.15</i>															
船级社 LR class	<i>15/11/2016</i>															
船东 Owner	<i>6442 - 15 Nov 2016</i>															



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

左机舱内侧主机试验记录单
Port Machine Room Inside Main Engine Test Record Sheet

73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY																	
船名: Hull Name:																	
船号: HULL NO.:	HY-2186				船级社: Classification				LR		IMO No.:			9772888			
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)	滑油温度 L.O.T (°C)	燃油压力 F.O.P (bar)	冷却水温度 C.W.T (°C)	冷却水压力 C.W.P (bar)	进气压力 B.A.P (bar)	排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)					齿轮箱 Gear Box	
									A	B	轴封 shaft seal	齿轮箱 输出 gearbox output	齿轮箱 输入 gearbox input	主机飞 轮端 Main engine flywheel	液压油 压力 Hyd.O.P (bar)	滑油温度 L.O.T (°C)	
50%	1587	13:20	6.5	79	7.1	84	3.5	1.91	578	591	33	46	52	56	19.7	49	
75%	1817	13:49	6.6	82	7.2	87	4.6	2.89	616	618	34	47	50	53	19.8	51	
85%	1895	15:04	6.7	83	7.1	87	4.7	2.94	661	665	34	47	49	53	19.6	53	
100%	2000	18:55	6.8	85	7.2	88	5	3.18	676	679	32	48	52	58	19.8	54	
	2000	20:03	6.9	86	7	89	5.1	3.19	680	678	33	47	52	59	19.7	56	
	2000	21:08	6.8	85	7.1	88	5	3.21	671	673	33	48	53	58	19.8	56	
	2000	22:13	6.9	85	7.1	89	5	3.2	679	680	33	46	50	58	19.8	55	
110%	2085	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
倒车 ASTERN																	
70%	1771	23:10	6.7	82	7	87	4.3	2.92	605	611	32	48	49	53	19.8	52	
备注 Remarks																	
质检 QC	于 2016.11.15																
船级社 LR class	15/11/2016																
船东 Owner	15 NOV 2016																



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

右机舱内侧主机试验记录单
Starboard Machine Room Inside Main Engine Test Record Sheet

船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY														
船号: HULL NO.:		HY-2186				船级社: Classification			LR		IMO No.:		9772888			
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)	滑油温度 L.O.T (°C)	燃油压力 F.O.P (bar)	冷却水温度 C.W.T (°C)	冷却水压力 C.W.P (bar)	进气压力 B.A.P (bar)	排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)				齿轮箱 Gear Box	
									A	B	轴封 shaft seal	齿轮箱 输出 gearbox output	齿轮箱 输入 gearbox input	主机 Main engine flywheel	液压油 压力 Hyd.O.P (bar)	滑油温度 L.O.T (°C)
50%	1587	13:22	6.3	79	6.9	84	2.6	2.08	585	593	36	46	52	56	19.8	52
75%	1817	13:53	6.4	83	7	86	3.4	2.81	625	628	30	48	56	58	19.8	53
85%	1895	17:01	6.5	85	7.1	88	4.3	2.86	672	669	37	49	55	59	19.8	54
100%	2000	19:00	6.8	87	7	91	4.9	3.19	671	674	34	52	57	61	19.8	55
	2000	20:03	6.9	88	7	92	4.9	3.17	679	678	36	51	58	61	19.7	56
	2000	21:13	6.9	88	7.1	91	5	3.18	680	679	35	53	55	62	19.7	58
	2000	22:17	6.8	88	7.1	91	4.8	3.17	682	679	36	54	58	61	19.7	57
110%	2065	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
倒车 ASTERN																
70%	1771	23:06	6.7	82	7	87	3.4	2.56	610	612	39	48	55	57	19.8	53
备注 Remarks																
质检 QC	[Signature] 2016.11.15															
船级社 LR class	[Signature] 15/11/2016															
船东 Owner	[Signature] 15 Nov 2016															



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

右机舱外侧主机试验记录单
Starboard Machine Room outside Main Engine Test Record Sheet

船名: Hull Name:		76.6米车客渡船 73.6m ROPAX CATAMARAN FERRY																				
船号: HULL NO.:		HY-2186				船级社: Classification			LR		IMO No.:		9772888									
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力		滑油温度		燃油压力		冷却水温度		冷却水压力		进气压力		排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)				齿轮箱 Gear Box	
			L.O.P (bar)	L.O.T (°C)	F.O.P (bar)	C.W.T (°C)	C.W.P (bar)	B.A.P (bar)	A	B	轴封 shaft seal	齿轮箱 输出 gearbox output	齿轮箱 输入 gearbox input	主机飞 轮端 Main engine flywheel	液压油 压力 Hyd. O.P (bar)	滑油温度 L.O.T (°C)						
50%	1587	13:23	6.6	81	7	87	2.9	2.01	566	592	37	47	52	56	19.8	52						
75%	1817	13:50	6.8	85	7	87	4.3	2.81	696	597	41	49	53	58	19.8	54						
85%	1895	15:03	6.9	89	7.1	88	4.7	2.8	661	665	39	51	57	59	19.8	55						
100%	2000	18:58	7	89	7	91	5.1	3.19	671	675	39	52	59	61	19.8	57						
	2000	20:05	7.1	88	7	92	5.2	3.19	673	677	38	52	59	61	19.7	57						
	2000	21:10	7.1	88	7.1	91	5.3	3.18	671	673	38	53	57	63	19.7	58						
	2000	22:16	7	89	7.1	91	5.2	3.18	671	675	38	52	58	61	19.7	57						
110%	2065	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---						
副车 ASTERN																						
70%	1771	23:08	6.7	82	7	87	3.4	2.56	588	590	39	48	54	56	19.8	54						
备注 Remarks																						
质检 QC	2016.11.15																					
船级社 LR class	15111/0016																					
船东 Owner	15 NOV 2016																					



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

左机舱外侧主机试验记录单
Port Machine Room Outside Main Engine Test Record Sheet

船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										日期: 2017.7.11 Date: July 11, 2017								
船号: HULL NO.:		HY-2186				船级社: Classification			LR		IMO No.:		9772888							
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)		滑油温度 L.O.T (°C)		冷却水压力 C.W.P (bar)		冷却水温度 C.W.T (°C)		进气压力 B.L.P (bar)		排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)				齿轮箱 Gear Box	
			L.O.P	L.O.T	F.O.P	C.W.T	C.W.P	B.L.P	A	B	密封 shaft	齿轮箱 输出 output	齿轮箱 输入 input	主机飞 轮端 Main engine flywheel	润滑油 压力 B.L.O.P (bar)	滑油温度 L.O.T (°C)				
50%	1587	13:03	6.1	81	7.1	86	3.6	2.53	500	529	32.2	49	50	52.1	19.9	48				
75%	1817	13:25	6.3	85	7.1	86	4.1	2.53	584	585	33	48	51	53.5	19.6	50				
85%	1895	13:40	6.6	85	7.1	88	4.7	2.61	651	655	33	50	50	54	20	53				
100%	2000	14:10	6.7	85	7.1	88	5.1	3.15	672	678	35	50	51	57	19.9	55				
	2000	14:05	6.7	85	7	88	5	3.14	671	625	33.2	53.2	53.1	56	19.9	56				
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
110%	2065	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
倒车 ASTERN																				
70%	1302	15:57	6	76	6.6	82	2.1	19.2	429	435	35.1	49	50	56	19.5	54				
备注 Remarks																				
质检 QC	2017.7.11																			
船级社 LR class																				
船东 Owner	2017.7.17																			



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

左机舱内侧主机试验记录单
Port Machine Room Inside Main Engine Test Record Sheet

船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										日期: 2017.7.11 Date: July 11, 2017				
船号: HULL NO.:		HY-2186			船级社: Classification			LR		IMO No.:		9772888				
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)	滑油温度 L.O.T (°C)	燃油压力 F.O.P (bar)	冷却水温度 C.W.T (°C)	冷却水压力 C.W.P (bar)	进汽压力 B.A.P (bar)	排气温度 Exhaust Gas Temp. (°C)		温度 T mp. (°C)				齿轮箱 Gear Box	
									A	B	轴封 shaft seal	齿轮箱 输出 gearbox output	齿轮箱 输入 gearbox input	主机 Main engine fl:wheel	液压油 压力 Hyd.O.P (bar)	滑油温度 L.O.T (°C)
50%	1587	13:01	6.4	80	7	82	3.3	17.4	558	566	33	49.5	50.07	50	19.6	50
75%	1817	13:27	6.6	85	7.2	85	4.3	2.33	572	583	33	50	51	52	2	50
85%	1845	13:42	6.4	85	7.2	87	4.5	2.71	661	663	33	50	53	55	19.7	54
100%	2000	14:05	6.5	86	7.1	88	4.8	3.16	672	674	35	48	50	55	19.4	57
	2000	14:50	6.7	85	7.1	88	4.9	3.14	673	670	34	52	53	56	19.4	57
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
110%	2065	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
倒车 ASTERN																
	1301	15:55	6.2	83	7.1	85	4.2	2.12	557	559	33	50	51	52	19.5	52
备注 Remarks																
质检 QC	2017.7.11															
船级社 LR class																
船东 Owner	2017.7.17															



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

右机舱内侧主机试验记录单
Starboard Machine Room Inside Main Engine Test Record Sheet

船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										日期: 2017.7.11 Date: July 11, 2017										
船号: HULL NO.:		HY-2186			船级社: Classification			LR		IMO No.:		9772888										
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)		滑油温度 L.O.T (°C)		燃油压力 F.O.P (bar)		冷却水温度 C.W.T (°C)		冷却水压力 C.W.P (bar)		进气压力 B.A.P (bar)		排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)				齿轮箱 Gear Box	
													A	B	轴封 shaft seal	齿轮箱 输出 gearb. output	齿轮箱 输入 gearbox input	主机飞 轮 Main engine flywheel	液压油 压力 Hyd.O.P (bar)	滑油温度 L.O.T (°C)		
50%	1587	13:05	6	81	6.8	84	3.4	2.72	524	535	33	49	52	53	19.7	51						
75%	1817	13:15	6.3	83	6.9	85	4.3	2.55	599	599	33.6	49	53	53	19.8	52						
85%	1895	13:45	6.5	84	6.9	87	4.7	2.83	679	673	34.3	51	53.1	54	19.7	55						
100%	2000	14:05	6.5	85	6.9	88	5.1	3.16	680	674	34.5	53	56	56	19.7	56						
	2000	14:52	65	88	7	88	5.1	3.17	682	678	35	51	55	56	19.9	56						
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---						
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---						
110%	2065	---	---	---	---	---	---	---	---	---	---	---	---	---	---							
倒车 ASTERN																						
	1297	15:55	538	77	6.8	77	2.4	1.59	401	391	35.4	49.3	49.9	50	19.5	51						
备注 Remarks																						
质检 QC	[Signature] 2017.7.11																					
船级社 LR class																						
船东 Owner	[Signature] 2017.7.12																					



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

右机舱外侧主机试验记录单
Starboard Machine Room outside Main Enginer Test Record Sheet

船名: Hull Name:	76.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										日期: 2017.7.11 Date: July 11, 2017					
船号: HULL NO.:	HY-2186			船级社: Classification			LR		IMO No.:		9772888					
负荷 Load (%)	转速 RPM	时间 (h)	滑油压力 L.O.P (bar)	滑油温度 L.O.T (°C)	燃油压力 F.O.P (bar)	冷却水温度 C.W.T (°C)	冷却水压力 C.W.P (bar)	进气压力 B.A.P (bar)	排气温度 Exhaust Gas Temp. (°C)		温度 Temp. (°C)				齿轮箱 Gear Box	
									A	B	轴封 shaft seal	齿轮箱 输出 gearbox output	齿轮箱 输入 gearbox input	主机飞 轮油 Main engine flywheel	液压油 压力 Hyd. O.P (bar)	滑油温度 L.O.T (°C)
50%	1587	13:02	65	42	7	84	3.3	2.6	505	525	34	49	50.2	51	19.9	58
75%	1817	13:25	6.6	83	7.1	86	4.1	2.32	581	588	34.1	49.6	53	53	20	50
85%	1895	13:44	6.6	84	7.1	87	4.4	2.36	638	644	34.2	50.6	53.8	56	19.9	56
100%	2000	14:05	6.9	87	7	90	4.9	3.18	673	679	34.3	51	55	56	19.9	54
	2000	14:51	6.9	83	7.1	90	4.9	3.18	673	675	34.8	51	54	56	20	55
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
110%	2085	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
倒车 ASTERN																
	1296	15:53	6	78	6.8	81	2.1	1.8	429	437	35.6	49.4	50.5	52.1	19.7	51
备注 Remarks																
质检 QC	<i>Handwritten signature and date: 2017.7.11</i>															
船级社 LR class.																
船东 Owner	<i>Handwritten signature and date: 2017.07.17</i>															



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

左柴油发电机记录单
Left Diesel Generator Parameters Record Sheet

船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										
船号: HULL NO.:	HY-2186			船级社: Classification	LR	IMO No.:	9772888				
Engine 柴油机					Generator发电机						
Type 型号	QSB7-DM				Type型号	YP125MXDG					
Serial No 系列号	22171858				Serial No 系列号	KC15113335					
Rated power 额定功率	164kW				Rated power 额定功率	125kW					
Rated speed 额定转速	1500rpm				Rated speed 额定转速	1500rpm					
时间 (time)	电流 (A)			电压 (V)	功率 (Kw)	频率 (Hz)	功率因数 (CoS φ)	滑油压力 L. O. Pressure (bar)	淡水冷却器温 度 Fresh W. cooler Tem. (° C)	转速 (rpm)	
	A	B	C								
11:00	166	188	203	400	94	50.0	0.81	3.4	68	1499	
12:00	145	171	199	398	91	50.1	0.77	3.4	68	1499	
13:00	146	166	155	398	91	50.1	0.77	3.4	68	1499	
14:00	166	180	174	399	91	50.0	0.75	3.3	70	1499	
15:00	169	179	170	399	93	50.0	0.79	3.3	70	1499	
16:00	152	162	156	399	85	50.0	0.79	3.3	70	1499	
备注 Remarks											
质检 QC	丁显清 2016.11.15										
船级社 LR class	15111/2016										
船东 Owner	15/11/2016										


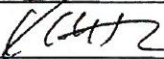


广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

右柴油发电机记录单
Right Diesel Generator Parameters Record Sheet

船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY									
船号: HULL NO.:	HY-2186			船级社: Classification	LR	IMO No.:	9772888			
Engine 柴油机					Generator发电机					
Type 型号	QSB7-DM				Type型号	YP125MXDG				
Serial No 系列号	22172015				Serial No 系列号	KC15113338				
Rated power 额定功率	164kW				Rated power 额定功率	125kW				
Rated speed 额定转速	1500rpm				Rated speed 额定转速	1500rpm				
时间 (time)	电流(A)			电压 (V)	功率 (Kw)	频率 (Hz)	功率因数 (CoS ϕ)	滑油压力 L. O. Pressure (bar)	淡水冷却器温 度 Fresh W. cooler Tem. ($^{\circ}$ C)	转速 (rpm)
	A	B	C							
9:00	232	229	231	399	113	50	0.78	3.5	66	1501
10:00	166	186	200	399	100	50.1	0.78	3.5	66	1501
1:00	80	94	97	399	46	50	0.77	3.9	69	1501
2:00	124	130	127	399	69	50.1	0.79	3.6	69	1502
3:00	105	110	111	399	57	50	0.78	3.7	69	1502
4:00	90	94	96	399	52	50	0.79	3.8	69	1502
备注 Remarks										
质检 QC	丁显清 2016.11.15									
船级社 LR class	15116/2016									
船东 Owner	15 Nov 2016									



机舱自动化试验记录单 Engine Room Automation Record Sheet									
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY								
船号: HULL NO.:	HY-2186	船级社: 劳氏 Classification: LR				IMO No.: 97728888			
试验项目 Test Items	左内 INBOARDM/E PT		左外 OUTBOARDM/E PT		右内 INBOARDM/E SB		右外 OUTBOARDM/E SB		结果 Remarks
	驾驶室 W/H	机舱 E/R	驾驶室 W/H	机舱 E/R	驾驶室 W/H	机舱 E/R	驾驶室 W/H	机舱 E/R	
驾驶室向机舱控制转换 Change Over W/H to E/R	OK	OK	OK	OK	OK	OK	OK	OK	
机舱向驾驶室控制转换 Change Over E/R to W/H	OK	OK	OK	OK	OK	OK	OK	OK	
主机停车 Main Engine Stop	OK	OK	OK	OK	OK	OK	OK	OK	
主机调速 Main Engine Speed	OK	OK	OK	OK	OK	OK	OK	OK	
主机启动 Main Engine start	OK	OK	OK	OK	OK	OK	OK	OK	
主机紧急停车 Main Engine E-Stop	OK	OK	OK	OK	OK	OK	OK	OK	
备注 Remarks									
质检 QC	丁显清 2016.11.15								
船级社 LR class	 15/11/2016								
船东 Owner	 15 NOV 2016								



广东新船重工有限公司

Guangdong Bonny Fair Heavy Industry Ltd.

航速试验记录单(一)
Speed Of Ships Test Record Sheet(一)

船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888

次数 No.	时间 Time	0	10	20	30	40	50	60	70	80	90	
		逆流 Adverse Current										
1	航速 speed (nm/h)	21.3	21.3	21.4	21.5	21.5	21.3	21.6	21.6	21.5	21.6	
	时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
	航速 speed (nm/h)	21.6	21.4	21.3	21.5	21.5	21.4	21.5	21.5	21.5	21.3	21.15
2	时间 Time	0	10	20	30	40	50	60	70	80	90	
	航速 speed (nm/h)	21.5	21.5	21.4	21.5	21.4	21.9	21.9	21.6	21.4	21.6	
	时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
航速 speed (nm/h)	21.7	21.1	21.3	21.7	21.8	21.8	21.6	21.6	21.5	21.57		
3	时间 Time	0	10	20	30	40	50	60	70	80	90	
	航速 speed (nm/h)	21.8	21.7	21.5	22.1	22.2	21.6	21.7	21.9	22	21.6	
	时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
航速 speed (nm/h)	21.3	21.6	22.3	22.2	21.7	21.4	22.1	22.2	21.6	21.92		
顺流 downstream	4	时间 Time	0	10	20	30	40	50	60	70	80	90
		航速 speed (nm/h)	23	23	22.9	23	23	23	23.1	23.1	23.1	23.1
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average
	航速 speed (nm/h)	23.1	23	23.1	23.1	23.1	22.9	22.9	23	23	23.03	
	5	时间 Time	0	10	20	30	40	50	60	70	80	90
		航速 speed (nm/h)	23.2	23.2	23.1	23.1	23.1	22.9	23	23	23	23.2
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average
	航速 speed (nm/h)	23.1	23.1	23.1	23.2	23	23	23	23.1	23.1	23.08	
	6	时间 Time	0	10	20	30	40	50	60	70	80	90
		航速 speed (nm/h)	23	23	23	22.9	22.8	22.8	22.8	22.8	22.8	22.9
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average
	速度 speed (nm/h)	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.81	

备注 Remark: 以上数据以船上GPS测出的数据, 顺逆水共6个单程, 取平均值, 测出平均航速 22.30 海里/小时。
The above data were read by the GPS. Downstream and adverse current together 6 times, the average speed is 22.30 nm/h.

质检 QC: *Zhang shang 2011-2016*

船级社 LR class: *2011/2016*

船东 Owner: *30 NOV 2016*

广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd.													
航 速 试 验 记 录 单 (二) Speed Of Ships Test Record Sheet (二)													
船 名: Hull Name:	73.6 米 车 客 渡 船 73.6m ROPAX CATAMARAN FERRY												
船 号: HULL NO.:	HY-2186	船 级 社: Classification	LR	IMO No.:	9772888								
顺流 Downstream	次数 No.	转速 M/E speed (rpm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	1	航 速 speed (nm/h)	12.1	13.3	14.2	15.6	16.8	17.4	18.9	20.8	21.9	22.9	\
	2	航 速 speed (nm/h)	12.2	13.4	14.3	15.7	16.8	17.5	19	20.9	22	22.9	\
	3	航 速 speed (nm/h)	12.2	13.5	14.4	15.8	16.7	17.6	18.9	20.9	22.1	22.9	\
	4	航 速 speed (nm/h)	12.2	13.5	14.4	15.9	16.7	17.5	19.1	20.9	22.1	23	\
	5	航 速 speed (nm/h)	12.2	13.5	14.3	15.9	16.7	17.5	19	21	22.2	23	\
		平均航速 average speed	12.18	13.44	14.32	15.78	16.74	17.5	18.98	20.9	22.06	22.94	\
逆流 Adverse Current		转速 M/E speed (rpm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	1	航 速 speed (nm/h)	10.6	11.4	12.3	13.9	14.5	15.3	16.9	18.5	19.4	20.1	\
	2	航 速 speed (nm/h)	10.6	11.5	12.3	14	14.5	15.3	16.9	18.5	19.4	20.2	\
	3	航 速 speed (nm/h)	10.6	11.6	12.4	14	14.5	15.4	16.8	18.5	19.4	20.1	\
	4	航 速 speed (nm/h)	10.5	11.6	12.4	14	14.6	15.4	16.9	18.5	19.4	20.2	\
	5	航 速 speed (nm/h)	10.4	11.6	12.5	13.9	14.5	15.4	16.8	18.5	19.4	20.1	\
		平均航速 average speed	10.54	11.54	12.36	13.96	14.52	15.36	16.86	18.5	19.4	20.14	\
顺流&逆流 Downstream & Adverse Current	平均航速 average speed	11.36	12.49	13.35	14.87	15.63	16.43	17.92	19.7	20.73	21.54	\	
备注 Remark	每种转速状态每一分钟记录一次, 共记录5次, 以上数据以船上GPS测出的数据. 顺逆水共2个单程, 取平均值, 测出平均航速海里/小时。 Each trial should measure the vessel speed of 1 round trip. Record the data each 1 minute, total 5 times. the above data were read by the GPS. Downstream and adverse current together 2 times, the average speed is nm/h.												
质 检 QC	<i>Trust Zhang 30/11/2016</i>												
船级社 LR class	<i>[Signature] 30/11/2016</i>												
船 东 Owner	<i>[Signature] 30 Nov 2016</i>												



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.


航速试验记录单(一) Speed Of Ships Test Record Sheet(一)													
船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY								日期: 2017.7.11 Date: July 11, 2017			
船号: HULL NO.:		HY-2186	船级社: Classification				LR	IMO No.:		9772888			
高流速区 High current area	逆流 Adverse Current	时间 Time	0	10	20	30	40	50	60	70	80	90	
		航速 speed(nm/h)	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.3	19.3
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
		航速 speed(nm/h)	19.3	19.4	19.5	19.5	19.5	19.6	19.7	19.8	19.8	19.39	
	顺流 downstream	时间 Time	0	10	20	30	40	50	60	70	80	90	
		航速 speed(nm/h)	24.7	24.7	24.8	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
		航速 speed(nm/h)	24.7	24.7	24.7	24.5	24.6	24.6	24.6	24.6	24.5	24.67	
平均航速 average speed(nm/h)		22.03浬/小时 22.03nm/h											
低流速区 Low current area	逆流 Adverse Current	时间 Time	0	10	20	30	40	50	60	70	80	90	
		航速 speed(nm/h)	22.1	22	22	22	22	22	22	22	21.9	21.9	21.7
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
		航速 speed(nm/h)	21.6	21.6	21.6	21.6	21.6	21.5	21.5	21.5	21.5	21.76	
	顺流 downstream	时间 Time	0	10	20	30	40	50	60	70	80	90	
		航速 speed(nm/h)	22.3	22.4	22.4	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.4
		时间 Time	100	110	120	130	140	150	160	170	180	平均值 average	
		航速 speed(nm/h)	22.4	22.3	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.33	
平均航速 average speed(nm/h)		22.05浬/小时 22.05nm/h											
备注 Remark	以上数据以船上GPS测出的数据。顺逆水共4个单程，取平均值，测出平均航速 <u>22.04</u> 浬/小时。 The above data were read by the GPS. Downstream and adverse current together 4 times, the average speed is <u>22.04</u> nm/h.												
质检 QC	2017.7.11												
船级社 LR class													
船东 Owner	2017.7.17												



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

航速试验记录单(二)
Speed Of Ships Test Record Sheet(二)

船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										日期: 2017.7.11 Date: July 11, 2017		
船号: HULL NO.:	HY-2186	船级社: Classification					LR	IMO No.:		9772888			
逆流 Adverse Current	次数 No.	转速 M/E speed (rpm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	1	航速 speed (nm/h)	11.3	12.1	13.3	14.4	15.6	17.3	18.6	19.8	20.8	21.5	21.8
	2	航速 speed (nm/h)	11.3	12	13.3	14.4	15.5	17.3	18.5	19.7	20.8	21.5	21.9
	3	航速 speed (nm/h)	11.4	11.9	13.2	14.3	15.5	17.4	18.5	19.7	20.8	21.4	21.9
	4	航速 speed (nm/h)	11.5	11.9	13.2	14.3	15.5	17.3	18.5	19.7	20.8	21.5	21.9
	5	航速 speed (nm/h)	11.4	12	13.2	14.3	15.5	17.4	18.4	19.7	20.7	21.4	21.8
	平均航速 average speed (nm/h)		11.38	11.98	13.24	14.34	15.52	17.34	18.5	19.72	20.78	21.46	21.86
顺流 Downstream	转速 M/E speed (rpm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	
	1	航速 speed (nm/h)	11.4	12.6	14	14.8	16.4	17	17.8	18.7	20.3	21.5	22.2
	2	航速 speed (nm/h)	11.4	12.7	14	14.9	16.4	17	17.7	18.7	20.4	21.5	22.2
	3	航速 speed (nm/h)	11.5	12.8	14	14.9	16.4	17	17.8	18.8	20.4	21.5	22.2
	4	航速 speed (nm/h)	11.5	12.8	14	15	16.5	17	17.8	18.7	20.4	21.6	22.3
	5	航速 speed (nm/h)	11.6	12.9	14	14.9	16.4	17	17.8	18.7	20.5	21.6	22.3
	平均航速 average speed (nm/h)		11.48	12.76	14	14.9	16.42	17	17.78	18.72	20.4	21.54	22.24
顺流&逆流 downstream & Adverse Current	平均航速 average speed (nm/h)	11.43	12.37	13.62	14.62	15.97	17.17	18.14	19.22	20.59	21.5	22.05	
备注 Remark	<p>每种转速状态每一分钟记录一次, 共记录5次, 以上数据以船上GPS测出的数据. 顺逆水共2个单程, 取平均值, 测出平均航速 海里/小时。</p> <p>Each trial should measure the vessel speed of 1 round trip. Record the data each 1 minute, total 5 times, the above data were read by the GPS. Downstream and adverse current together 2 times, the average speed is nm/h.</p>												
质检 QC	[Signature] 2017.7.11												
船级社 LR class													
船东 Owner	[Signature] 2017.7.17												

 广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd.													
停船试验记录单 Ship Stopping Test Record Sheet													
船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY											
船号: HULL NO.:		HY-2186			船级社: Classification		LR		IMO No.:		9772888		
主机运转状况 Engine status	主机转速 Engine rate of revolution				试验前船首方向 Bow direction before test	船停时船首方向 Boat stopping bow direction	用计程仪测定 Measured with log			惯性冲程 S=S1-S2	滑行距离为船长倍数	滑行时间	水流方向 water direction
	NO. 2 port outboard	NO. 4 port inboard	NO. 3 starboard inboard	NO. 1 starboard outboard			停车令发出时读数S1	计程仪停止时读数 S2	0				
全速正车→停车 Full Ahead→Stop	2000	2000	2000	2000	145°	175°	\	\	\	0.44nm	11	4' 45"	adverse current
全速正车→全速倒后 Full Ahead→Full Astern	2000	2000	2000	2000	337°	315°	\	\	\	0.22nm	5.5	1' 07"	adverse current
备注 Remark	试验过程中保持舵角为零位 Keep the rudder Angle is zero in the test												
质检 QC	<i>Zhuo Zhang</i> 2011-2016												
船级社 LR class	<i>[Signature]</i> 2011/2016												
船东 Owner	<i>[Signature]</i> EAC CHU 30 NOV 2016												



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

停船试验记录单
Ship Stopping Test Record Sheet


船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY								日期: 2017.7.11 Date: July 11, 2017				
船号: HULL NO.:	HY-2186			船级社: Classification		LR		IMO No.:		9772888			
主机运转状况 Engine status	主机转速 r. min Engine rate of revolution				试验前船首方向 Bow direction before test	船停时船首方向 Boat stopping bow direction	用计程仪测定 Measured with log			惯性冲程 S=S1-S2	滑行距离 为船长倍数	滑行时间	水流方向 water direction
	左1 Port 1	左2 Port	右1 St. 1	右1 St. 1			停车令发出时读数 S1	计程仪停止时读数 S2					
全速正车→停车 Full Ahead→Stop	2000	2000	2000	2000	118.4°	103.7°	315.95	316.52	---	0.57	7.7	4' 49"	fair current
全速正车→全速倒后 Full Ahead→Full Astern	---	---	---	---	---	---	---	---	---	---	---	---	---
备注 Remark	试验过程中保持舵角为零位 Keep the rudder Angle is zero in the test												
质检 QC	[Signature] 2017.7.11												
船级社 LR class													
船东 Owner	[Signature] 2017.9.4												







广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

停船试验记录单
Ship Stopping Test Record Sheet

船名: Hull Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY								日期: 2017.8.30 Date: Aug 30, 2017			
船号: HULL NO.:		HY-2186		船级社: Classification		LR		IMO No.:		9772888			
主机运转状况 Engine status	主机转速 r/min Engine rate of revolution				试验前船首方向 Bow direction before test	船停时船首方向 Boat stopping bow direction	用计程仪测定 Measured with log		惯性冲程 S=S1-S2 NM	滑行距离 为船长倍数	滑行时间	水流方向 water direction	
	左1 Port 1	左2 Port	右1 St. 1	右1 St. 1			停车令发出时读数 S1	计程仪停止时读数 S2					
全速正车→停车 Full Ahead→Stop	---	---	---	---	---	---	---	---	---	---	---	---	
全速正车→全速倒车 Full Ahead→Full Astern	2000	2000	2000	2000	2.8°	4.7°	561.83	562.12	---	0.29	7.3	1' 04"	adverse current
备注 Remark	试验过程中保持舵角为零位 Keep the rudder Angle is zero in the test												
质检 QC	<i>[Signature]</i> 2017.8.30												
船级社 I.R class	witnessed <i>[Signature]</i> LR 30/8-2017												
船东 Owner	<i>[Signature]</i> ERIC CHU 30 Aug 2017												

 广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd.							
回转直径试验记录单(一) Turning Diameter Trial Record Sheet(一)							
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY						
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888		
速级 Speed	试验要求 Test request	试验工况 Test statue					
		左 转 Port			右 转 Starboard		
		1	2	3	1	2	3
100% 试验 Test	舵扇转角(度) Rudder Angle	35°	35°	35°	35°	35°	35°
	回转时主机转速(转/分) Revolution(rpm)	2000	2000	2000	2000	2000	2000
	回转时最大倾角(度) Largest Obliquity(degree)	6°	5°	\	5°	5°	\
	回转时所需时间(分) Turning Time(min)	3' 13"	3' 40"	\	3' 18"	3' 15"	\
	回转直径(公尺) Turning Diameter(m)	0.215 海里 Sea Mile	0.22 海里 Sea Mile	\ 海里 Sea Mile	0.25 海里 Sea Mile	0.22 海里 Sea Mile	\ 海里 Sea Mile
备注 Remark	回转角度为540° Turn from specified direction to 540°						
质 检 QC	<i>Zhuhongchang 2011-2016</i>						
船级社 LR class	<i>LR 30111/2016</i>						
船 东 Owner	<i>Eric Chen 30 NOV 2016</i>						

 广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd.							
回转直径试验记录单(二) Turning Diameter Trial Record Sheet(二)							
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY						
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888		
速级 Speed	试验要求 Test request	试验工况 Test statue					
		左 转 Port			右 转 Starboard		
		1	2	3	1	2	3
100% 试验 Test	舵扇转角(度) Rudder Angle	35°	35°	35°	35°	35°	35°
	回转时主机转速(转/分) Revolution(rpm)	2000	2000	2000	2000	2000	2000
	回转时最大倾角(度) Largest Obliquity(degree)	4°	\	\	4°	\	\
	回转时所需时间(分) Turning Time(min)	3' 40"	\	\	3' 50"	\	\
	回转直径(公尺) Turning Diameter(m)	0.18海里 Sea Mile	\ 海里 Sea Mile	\ 海里 Sea Mile	0.178海里 Sea Mile	\ 海里 Sea Mile	\ 海里 Sea Mile
备注 Remark	回转角度为540° Turn from specified direction to 540° 仅用外侧两个的螺旋桨来测量转弯直径 Standard turning circle measurement with the two outer propellers only						
质 检 QC							
船级社 LR class							
船 东 Owner							



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

回转直径试验记录单(一) Turning Diameter Trial Record Sheet(一)							
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY					日期: 2017.7.11 Date: July 11, 2017	
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888		
速级 Speed	试验要求 Test request	试验工况 Test status					
		左 转 Port			右 转 Starboard		
		1	2	3	1	2	3
100% 试验 Test	舵艏转角(度) Rudder Angle	35°	35°	35°	35°	35°	35°
	回转时主机转数(转/分) Revolution(rpm)	2000	2000	2000	2000	2000	2000
	回转时最大倾角(度) Largest Obliquity(degree)	4°	4°	\	4°	5°	\
	回转时所需时间(分) Turning Time(min)	3'45"	3'40"	\	3'45"	3'48"	\
	回转直径(公尺) Turning Diameter(m)	0.32 海里 Sea Mile	0.30 海里 Sea Mile	海里 Sea Mile	0.28 海里 Sea Mile	0.25 海里 Sea Mile	海里 Sea Mile
备注 Remark	回转角度为540° Turn from specified direction to 540°						
质检 QC	<i>[Signature]</i> 2017.7.11						
船级社 LR class	<i>[Signature]</i> -2017.7.11						
船东 Owner	<i>[Signature]</i> 2017.09.04						

广东新船重工有限公司 Guangdong Bonny Fair Heavy Industry Ltd.						
抛锚试验记录单 Anchor Test Record Sheet						
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY					
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888	
1. 抛锚处水深 Water Depth: 26.7 m 2. 试验记录 Test record: (一) 抛锚情况 Cast Anchor State: well (二) 制链器情况 Chain Stopper State: well (三) 锚与船壳吻合情况 Anchor and hull anastomosis: well						
锚链尺寸 (mm) Chain Size: 30						
锚链总长 (m) Length of Port Anchor Chain: 27.5 anchor chain + 175m steel wire rope						
抛锚长度 (m) Length of Chain Drop:						
试验内容 Item	试验情况 Test State					
	锚 Anchor					
链条节数 Chain Number	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
起锚时间 (分) Hosting Time(min)		1' 02"	1' 03"	1' 04"		
起锚速度 (米/分) Hosting Spced(m/min)	26.19					
油泵 Oil Pump	工作压力 (Bar) Working Pressure	190				
	转速 RPM	\				
油马达转速 Oil Motor Speed	\					
电动机 Electric Motor	工作电流 (A) Working Current	40				
	电压 (V) Voltage	380				
	转速 RPM	\				
电动机控制设备热态绝缘电阻值 (MΩ) Thermal insulation resistance of Motor control equipment	300					
备注 Remark						
质检 QC	<i>Zhuohuang 30/11-2016</i>					
船级社 LR class	<i>30/11/2016</i>					
船东 Owner	<i>ERIC CHU 30 NOV 2016</i>					



广东新船重工有限公司

Guangdong Bonny Fair Heavy Industry Ltd.

 操舵试验记录单
 Steering Test Record Sheet

船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY									
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888					
主机转速 (rpm) Engine speed	操舵方法 Steering	时间 (秒) Time			航速 knot			最大横倾角 Mainline angle		
2000RPM		P	S	P/S	P	S	P/S	P	S	P/S
	0° to S35°	14"	7"	11"	21	22.1	21.4	3°	4°	4°
	S35° to P30°	16"	16"	16"	21	21.6	21	3°	3°	3°
	P35° to S30°	16"	17"	17"	20.6	21.7	20.8	3°	4°	3°
	S35° to 0°	7"	7"	7"	21.4	20.4	19.7	3°	2°	2°
	0° to P35°	9"	9"	8"	22.2	21.7	21.4	2°	3°	3°
	P35° to 0°	8"	8"	7"	21	21.5	20.9	3°	3°	3°
	Z向操舵	时间 (秒) Time (Sec.)			航速 knot			最大横倾角 Mainline angle		
	0° to S10°	3"	3"	3"	22.2	21.5	21.5	1°	2°	2°
	S10° to P10°	6"	6"	7"	22.2	22.2	21.6	2°	2°	3°
	P10° to S10°	7"	6"	4"	22.3	22.3	21.6	2°	1°	2°
	S10° to P10°	6"	5"	5"	22.3	22.5	21.7	2°	1°	2°
	P10° to 0°	3"	4"	4"	22.3	22.5	21.6	3°	2°	3°
	1000RPM	应急操舵	时间 (秒) Time (Sec.)			航速 knot			最大横倾角 Mainline angle	
0° to S15°		6"			7.5			2°		
S15° to P15°		15"			7.4			3°		
P15° to S15°		14"			7.4			3°		
S15° to 0°		16"			7.5			2°		
0° to P15°		7"			7.4			1°		
P15° to 0°		7"			7.3			2°		
备注 Remarks	最大压力 maximum pressure : 128 bar									
	自动舵试验 Autopilot test : acceptable									
质检 QC	<i>Zhush Zhang 20/11/2016</i>									
船级社 LR class	<i>[Signature] 30/11/2016</i>									
船东 Owner	<i>[Signature] 30 Nov 2016</i>									



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

空调试验记录单 Air Conditioning Trial Parameters Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888
Space Served 服务舱室	Air Terminal 出风口	Vel[m/s] 风速[m/s]	温度 Temp. (°C)	结果 Remarks	
Wheelhouse	1# Floor Standing FCU-204TM(P)	4.5	15.3	OK	
	2# Floor Standing FCU-204TM(S)	4.2	15	OK	
	1# FCU-204KM(P)	7.1	16.2	OK	
	2# FCU-204KM(S)	7.5	15.1	OK	
Captain's Cabin	FCU-204KM	7	15.1	OK	
Vip Room	FCU-204KM	7.5	15	OK	
Tourist Class-P	1# FCU-204KM(S)	7.8	16	OK	
	2# FCU-204KM(S)	7.6	16.3	OK	
	3# FCU-204KM(P)	8.2	14.5	OK	
	4# FCU-204KM(S)	8.3	15.3	OK	
	5# FCU-204KM(P)	7.6	15.5	OK	
	6# FCU-204KM(S)	7.8	16.5	OK	
	7# FCU-204KM(P)	8.4	16.8	OK	
	8# FCU-204KM(P)	8.1	16	OK	
	9# FCU-204KM(S)	8	15.5	OK	
	10# FCU-204KM(P)	7.9	15.3	OK	
	11# FCU-204KM(P)	8.1	15.5	OK	
	12# FCU-204KM(S)	8	15	OK	
Transit Class-P	1# FCU-204KM(P)	7.8	16.1	OK	
	2# FCU-204KM(S)	8	15	OK	
	3# FCU-204KM(P)	8	15.8	OK	
	4# FCU-204KM(S)	7.7	15.1	OK	
	5# FCU-204KM(P)	7.8	15.3	OK	
	6# FCU-204KM(S)	8	15.5	OK	
	1# FCU-204KM(S)	8.4	16.4	OK	

Handwritten signature and date:
2016

空 调 试 验 记 录 单 Air Conditioning Trial Parameters Record Sheet					
船 名: Hull Name:	73.6 米 车 客 渡 船 73.6m ROPAX CATAMARAN FERRY				
船 号: HULL NO.:	HY-2186	船 级 社: Classification	LR	IMO No.:	9772888
Space Served 服务舱室	Air Terminal 出风口	Vel[m's] 风速[m's]	温度 Temp. (° C)	结果 Remarks	
Tourist Class-S	2# FCU-204KM(S)	8.5	16.5	OK	
	3# FCU-204KM(P)	7.8	16.2	OK	
	4# FCU-204KM(S)	8.1	16.2	OK	
	5# FCU-204KM(P)	8.1	16.2	OK	
	6# FCU-204KM(S)	8.4	16.1	OK	
	7# FCU-204KM(P)	8.1	16.3	OK	
	8# FCU-204KM(P)	8.5	16.1	OK	
	9# FCU-204KM(P)	8.2	16	OK	
	10# FCU-204KM(P)	8.4	15.6	OK	
	11# FCU-204KM(P)	8	15.5	OK	
	12# FCU-204KM(P)	8.2	15	OK	
	Business Class-S	1# FCU-204KM(P)	8.2	16.1	OK
2# FCU-204KM(S)		8.1	15.7	OK	
3# FCU-204KM(P)		8.4	15.4	OK	
4# FCU-204KM(S)		8.4	15.2	OK	
5# FCU-204KM(P)		7.8	15.9	OK	
6# FCU-204KM(S)		8.2	15.2	OK	
Crew	1# FCU-204KM	7.1	15.8	OK	
	2# FCU-204KM	7.5	15.4	OK	
	3# FCU-204KM	7.3	16.2	OK	
Mess	6# FCU-204KM	7.6	15.7	OK	
备 注 Remarks					
质 检 QC	Zhang 2016.12.08				
船级社 LR class					
船 东 Owner	Kerr 8 Dec 2016				



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

艏侧推记录单 Bow Thruster Record Sheet								
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY							
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:9772888				
速级Speed	试验要求 test request	试验工况test statue						
船舶停航(前侧推) Ship is static(Fore bow thruster)	右机舱内主机(转/分) Inboard main engine in starboard engine room (rpm)	1600						
	测量船舶航向角 measure the ship heading angle	102°	105°	111°	118°	127°	135°	143°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
低航速(前侧推) low speed(Fore bow thruster)	右机舱内主机(转/分) Inboard main engine in starboard engine room (rpm)	1600						
	测量船舶航向角 measure the ship heading angle	214°	200°	186°	161°	135°	105°	77°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
船舶停航(后侧推) Ship is static(Aft bow thruster)	左机舱内主机(转/分) Inboard main engine in port engine room (rpm)	1600						
	测量船舶航向角 measure the ship heading angle	152°	151°	147°	142°	136°	130°	125°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
低航速(后侧推) low speed(Aft bow thruster)	左机舱内主机(转/分) Inboard main engine in port engine room (rpm)	1600						
	测量船舶航向角 measure the ship heading angle	102°	67°	38°	8°	339°	305°	277°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
船舶停航(双侧推) 往左 Ship is static(Two bow thruster) towards the left	左右机舱内主机(转/分) Inboard main engine in P/S engine room (rpm)	1600'1600						
	测量船舶航向角 measure the ship heading angle	283°	273°	264°	257°	248°	237°	226°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
船舶停航(双侧推) 往右 Ship is static(Two bow thruster) towards the right	左右机舱内主机(转/分) Inboard main engine in P/S engine room (rpm)	1600'1600						
	测量船舶航向角 measure the ship heading angle	118°	124°	134°	145°	158°	172°	187°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
低航速(双侧推) 往左 low speed(Two bow thruster) towards the left	左右机舱内主机(转/分) Inboard main engine in P/S engine room (rpm)	1600'1600						
	测量船舶航向角 measure the ship heading angle	176°	157°	115°	73°	33°	3°	329°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
低航速(双侧推) 往右 low speed(Two bow thruster) towards the right	左右机舱内主机(转/分) Inboard main engine in P/S engine room (rpm)	1600'1600						
	测量船舶航向角 measure the ship heading angle	289°	319°	350°	29°	69°	112°	150°
	所需时间(分) time(min)	0	30'	60'	90'	120'	150'	180'
备注 Remarks								
质检 QC	18/1-2017							
船东 Owner	18 JUN 2017							



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

噪音记录单 Noise Test Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY			日期: 2017.8.30 Date: Aug 30, 2017	
船号: HULL NO.:	HY-2186	船级社: Classification	LR	IMO No.:	9772888
速度speed	测试区域 Test area	设计噪音水平(分贝) Design Sound Level (DBA)	噪音(分贝) Noise (DBA)	结果 Remarks	
85%试验 Test	驾驶室 wheelhouse		55		
	船长室 captain room		53.5		
	VIP 房间 VIP room		53.6		
	上建尾部客区(左) accommodation aft (superstruct) (P)		68.5		
	上建中部客区(左) accommodation mid (superstruct) (P)		65.9		
	上建前部客区(左) accommodation fwd (superstruct) (P)		58.6		
	上建尾部客区(右) accommodation aft (superstruct) (S)		70.2	over the limit	
	上建中部客区(右) accommodation mid (superstruct) (S)		64.3		
	上建前部客区(右) accommodation fwd (superstruct) (S)		58.2		
	船员间 crew room		65.9		
	船员餐厅 crew mess		61.7		
	左机舱 engine room (P)	110	110.9	over the limit	
右机舱 engine room (S)	110	110.6	over the limit		
Idle speeds 怠速	在船尾离尾部主甲板25M处 outside the Vessel, approx 25m away from aft main deck		76.7		
备注 Remarks					
质检 QC	于 2017.8.30				
船级社 I.R class					
船东 Owner	30 Aug 2017 comments as marked.				



广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.

噪 音 记 录 单 Noise Test Record Sheet					
船 名: Hull Name:	73.6 米 车 客 渡 船 73.6m ROPAX CATAMARAN FERRY			日期: 2017.8.30 Date: Aug 30, 2017	
船 号: HULL NO.:	HY-2186	船 级 社: Classification	LR	IMO No.:	9772888
速 度 speed	测试区域 Test area	设计噪音水平(分贝) Design Sound Level (DBA)	噪音(分贝) Noise (DBA)	结果 Remarks	
100%试验 Test	驾驶室 wheelhouse		60.9		
	船长室 captain room		57.2		
	VIP 房间 VIP room		55.7		
	上建尾部客区(左) accommodation aft(superstruct) (P)		69.7		
	上建中部客区(左) accommodation mid(superstruct) (P)		68.1		
	上建前部客区(左) accommodation fwd(superstruct) (P)		56.8		
	上建尾部客区(右) accommodation aft(superstruct) (S)		72.1	over the limit	
	上建中部客区(右) accommodation mid(superstruct) (S)		66.4		
	上建前部客区(右) accommodation fwd(superstruct) (S)		56.3		
	船员间 crew room		---		
	船员餐厅 crew mess		---		
	左机舱 engine room (P)	110	112.7	over the limit	
右机舱 engine room (S)	110	112.6	over the limit		
Idle speeds 怠速	在船外离尾部主甲板25M处 outside the Vessel, approx 25m away from aft main deck		76.7		
备 注 Remarks					
质 检 QC	2017.8.30				
船级社 LR class					
船 东 Owner	30 Aug 2017 comments as marked.				

over the limit
over the limit
over the limit

广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.



振动记录单 Vibration Measurement Test Record Sheet															
船名: Hull Name:		船型社: Classification										日期: 2017.8.30 Date: Aug 30, 2017			
船号: IRL No.:		HY-2186					73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY					IWO No.:		9772888	
测试区域 Test area	主机转速 M.E speed	上左客区(左) accommodation (L)			上建客区(右) accommodation (S)			LR		IWO No.:			右机舱 engine room (S)	结果 Remarks	
		前部 fwd	中部 mid	后部 aft	前部 fwd	中部 mid	后部 aft	船员间 crew room	船员餐厅 crew mess	左舵机舱 steering gear room (P)	右舵机舱 steering gear room (S)	左机舱 engine room (P)			
1000															
1100															
1200															
1300															
1400															
1500															
1600															
1700															
1800															
1900	0.9		0.8	1.1	1.2	0.4	1.3	1.2				5.5	5.4	3	2.4
2000	1.1		1	1.4	1.5	0.2	1.1	1.1				5.4	5.3	2.9	2.8
备注 Remarks	最大速度: 毫米/秒 Vibration speed: mm/s														
船长 QC	FHFH 2017.8.30														
船东 Owner	CC 2017.8.30														

广东新船重工有限公司
Guangdong Bonny Fair Heavy Industry Ltd.



振动记录单 Vibration Measurement Test Record Sheet																
船名: HULL Name:		73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY										日期: 2017.7.11 Date: July 11, 2017				
船号: HULL NO.:		HY-2186					船级社: Classification					LR			IMO No.:	
测试区域 Test area	驾驶室 wheel house	船长室 captain room	VIP 房间 VIP room	上建客区(左) accommodation (P)			上建客区(右) accommodation (S)			船员间 crew room	船员餐厅 crew mess	左机舱 engine room (P)	右机舱 engine room (S)	种类 Remarks		
				前部 fwd	中部 mid	尾部 aft	前部 fwd	中部 mid	尾部 aft							
主机转速 M/R speed	0.1				0.3	0.4	0.8	0.2	0.3	0.2	0.1	0.1	1.3	2.1		
1000					0.2	0.3	0.3	0.2	0.3	0.3	0.1	0.1	1.9	2		
1100					0.3	0.3	0.4	0.2	0.4	0.5	0.2	0.2	2.3	1.9		
1200					0.3	0.1	0.4	0.3	0.5	0.5	0.2	0.3	1.8	1.8		
1300					0.4	0.5	0.7	0.3	0.7	0.9	0.3	0.3	1.4	2.4		
1400					0.1	0.7	0.8	0.3	0.4	1	0.3	0.4	1.8	3		
1500					0.4	1	1.2	0.4	0.7	1.3	0.3	0.3	2.3	2.9		
1600					0.5	1.1	1.3	0.4	0.8	1.6	0.3	0.4	2.5	3.2		
1700					0.5	1.7	2.3	0.4	0.8	2	0.4	0.4	2.4	3.8		
1800					0.7	1.8	2.2	0.5	1	1.8	0.4	0.4	3	3.9		
1900					1.6	0.3	0.3	1	1.6	3.1	0.2	0.8	3	3.7		
2000																
备注 Remark:																
所检 QC	7446 2017.7.11															
船级社 LR class																
船东 Owner																



广东新船重工有限公司

Guangdong Bonny Fair Heavy Industry Ltd.

油耗记录单 Fuel Consumption Test Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				
船号: HULL NO.:	HY2186	船级社: Classification	LR	IMO No.:	9772888
测试区域 Test area 主机转速 M/E speed	左机舱外侧主机 Outside Main Engine(P) l/h	左机舱内侧主机 Inside Main Engine(P) l/h	右机舱内侧主机 Inside Main Engine(S) l/h	右机舱外侧主机 Outside Main Engine(S) l/h	
	500	16	17	16	16
600	22	23	21	22	
700	27	29	27	27	
800	35	37	35	35	
900	42	49	42	46	
1000	64	73	61	64	
1100	84	97	85	91	
1200	126	133	118	121	
1300	150	159	146	145	
1400	171	202	177	175	
1500	260	265	256	257	
1600	289	297	290	286	
1700	358	355	356	352	
1800	392	405	389	398	
1900	502	512	503	495	
2000	560	555	548	552	
备注 Remarks					
质检 QC	PLA 2017.1.18				
船级社 LR class					
船东 Owner	18 Jan 2017				



广东新船重工有限公司

Guangdong Bonny Fair Heavy Industry Ltd.

排气管背压记录单 Back Pressure Test Record Sheet					
船名: Hull Name:	73.6米车客渡船 73.6m ROPAX CATAMARAN FERRY				日期: 2017.8.30 Date: Aug 30, 2017
船号: HULL NO.:	HY2186	船级社: Classification:	LR	IMO No.:	9772888
主机 Main Engine 主机转速 M/E speed	左机舱外侧主机 Outside Main Engine (P/OL)	左机舱内侧主机 Inside Main Engine (P/IN)	右机舱内侧主机 Inside Main Engine (S/IN)	右机舱外侧主机 Outside Main Engine (S/OL)	
50%/1587	-----	-----	-----	-----	
75%/1817	-----	-----	-----	-----	
85%/1895	-----	-----	-----	-----	
100%/2000	490	430	430	500	
备注 Remarks					
质检 QC	[Signature] 2017.8.30				
船级社 LR class					
船东 Owner	[Signature] 30 Aug 2017				