



MERCANTILE MARITIME SOLUTIONS PTE LTD

Company Reg. No. 201419851N

Add: #14-12, International Plaza, 10 Anson Road Singapore 079903
E-mail: sales@mercantile.sg

Tel : (+65) 6220-4882
Fax (+65) 6225-4470

RECONDITION REPORT FOR SPINDLE GUIDE

Name of vessel MAERSK ENFIELD		Model B&W 98ME-C			Date 05-Apr-17			Work no. 1703002				
Present Quantity Received 20					Present Quantity Beyond Repair 9							
Injection test pressure (Mpa)		0 ~ 40			Standard of lift (mm)		~ 4.20			Standard of clearance (μ)		7 ~ 17
Standard of spindle guide												
Serial Number	Initial Inspection				Final Inspection				Running hours	Repair record		
	Lift (mm)	Clearance (μ)	Recondition code	Lift (mm)	Clearance (μ)	Recondition code	Injection condition					
1	1703002-1	3.96	OK	1L	4.12	ok	1L	Good	Unknown	-		
2	1703002-2	4.06	OK	1L	Seat worn down			Scrap	Unknown	-		
3	1703002-3	3.99	OK	1L	Seat worn down			Scrap	Unknown	-		
4	1703002-4	3.71	OK	1L	3.85	ok	1L	Good	Unknown	-		
5	1703002-5	3.92	OK	1L	Seat worn down			Scrap	Unknown	-		
6	1703002-6	3.78	OK	1L	3.90	ok	1L	Good	Unknown	-		
7	1703002-7	3.98	OK	1L	4.12	ok	1L	Good	Unknown	-		
8	1703002-8	4.04	OK	1L	4.16	ok	1L	Good	Unknown	-		
9	1703002-9	3.77	OK	1L	3.89	ok	1L	Good	Unknown	-		
10	1703002-10	3.77	OK	1L	3.89	ok	1L	Good	Unknown	-		
11	1703002-11	3.83	OK	1L	3.98	ok	1L	Good	Unknown	-		
12	1703002-12	3.77	OK	1L	3.90	ok	1L	Good	Unknown	-		
13	1703002-13	3.86	OK	1L	3.99	ok	1L	Good	Unknown	-		
14	1703002-14	3.86	OK	1L	Seat worn down			Scrap	Unknown	-		
15	1703002-15	3.95	OK	1L	Seat worn down			Scrap	Unknown	-		
16	1703002-16	3.93	OK	1L	Seat worn down			Scrap	Unknown	-		
17	1703002-17	3.77	OK	1L	Seat worn down			Scrap	Unknown	-		
18	1703002-18	4.12	OK	1L	Seat worn down			Scrap	Unknown	-		
19	1703002-19	4.12	OK	1L	4.20	ok	1L	Good	Unknown	-		
20	1703002-20	4.30	OK	1L	Seat worn down			Scrap	Unknown	-		
Remark 9pcs Spindle Guide found beyond repair due to seat worn down.												
Recondition code		Description										
1	Ordinary	① Cleaning										
2	Improper spindle v/v stroke	② Measurement spindle initial clearance										
3	Large clearance	③ Measurement spindle initial lift										
4	Crack	④ Reconditioning										
5	Break	⑤ Measurement spindle final clearance										
6	Seizure	⑥ Measurement spindle final lift										
7	Corrosion	⑦ Injection test										
8	Warp											
9	other											
L	Grind spindle, seating surface											
LL	Grind spindle guide touch face											
LN	Replace spindle											
D	Beyond repair											



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RECONDITION REPORT FOR ATOMIZER

Ship Name 船名	Model 型式	Date 日付	ATOMIZER HOLE NO.			Running Hour	W/No.	REMARK
MAERSK ENFIELD	B&W 98ME-C	05-Apr-17	1	2	3	4	5	
1703002-1	1.50	1.79	1.80	1.64	1.65	Unknown	-	
1703002-2	1.50	1.75	1.80	1.63	1.65	Unknown	-	
1703002-3	1.50	1.78	1.80	1.64	1.64	Unknown	-	
1703002-4	1.49	1.78	1.79	1.63	1.63	Unknown	-	
1703002-5	1.50	1.77	1.79	1.63	1.65	Unknown	-	
1703002-6	1.49	1.76	1.80	1.57	1.62	Unknown	-	
1703002-7	1.49	1.76	1.79	1.63	1.64	Unknown	-	
1703002-8	1.49	1.78	1.80	1.64	1.65	Unknown	-	
1703002-9	1.49	1.76	1.79	1.62	1.62	Unknown	-	
1703002-10	1.49	1.78	1.78	1.63	1.64	Unknown	-	
1703002-11	1.49	1.72	1.78	1.59	1.66	Unknown	-	
1703002-12	1.49	1.77	1.80	1.60	1.60	Unknown	-	
1703002-13	1.49	1.70	1.79	1.53	1.63	Unknown	-	
1703002-14	1.49	1.79	1.79	1.63	1.63	Unknown	-	
1703002-15	1.50	1.73	1.80	1.59	1.64	Unknown	-	
1703002-16	1.50	1.73	1.80	1.58	1.64	Unknown	-	
1703002-17	1.50	1.77	1.79	1.65	1.65	Unknown	-	
1703002-18	1.50	1.73	1.81	1.62	1.64	Unknown	-	
1703002-19	1.49	1.72	1.80	1.57	1.66	Unknown	-	
1703002-20	1.49	1.73	1.79	1.56	1.64	Unknown	-	

CLEANING 洗浄 VISUALY INSPECTION 目視検査 MEASUREMENT ATOMIZER HOLE BY THE LIMIT GAUGE リミットゲージによる噴口計測 CONTACT SURFACE GRINDING 当たり面削正	
SEAL	
3062611-8x165-180-150	



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RECONDITION REPORT FOR NON RETURN VALVE

Name of vessel MAERSK ENFIELD			Model B&W 98ME-C			Date 05-Apr-17		Work no. 1703003	
Present Quantity Received 25					Present Quantity Beyond Repair 1				
Injection test pressure (Mpa) 0 ~ 40			Standard of clearance (μ) 7 ~ 17			Standard of lift (μ) 3.5 ~ 4			
Standard of non return valve -									
Serial Number	Initial Inspection			Final Inspection				Running hours	Repair record
	Lift (mm)	Clearance (μ)	Recondition code	Lift (mm)	Clearance (μ)	Recondition code	Injection condition		
1	1703003-1	4.04	OK	1L	Repaired	1L	Good	Unknown	-
2	1703003-2	4.16	OK	1L	Repaired	1L	Good	Unknown	-
3	1703003-3	4.05	OK	1L	Repaired	1L	Good	Unknown	-
4	1703003-4	4.11	OK	1L	Repaired	1L	Good	Unknown	-
5	1703003-5	4.22	OK	1L	Repaired	1L	Good	Unknown	-
6	1703003-6	4.1	OK	1L	Repaired	1L	Good	Unknown	-
7	1703003-7	4.05	OK	1L	Repaired	1L	Good	Unknown	-
8	1703003-8	4.07	OK	1L	Repaired	1L	Good	Unknown	-
9	1703003-9	4.13	OK	1L	Repaired	1L	Good	Unknown	-
10	1703003-10	4.07	OK	1L	Repaired	1L	Good	Unknown	-
11	1703003-11	4.05	OK	1L	Repaired	1L	Good	Unknown	-
12	1703003-12	4.1	OK	1L	Repaired	1L	Good	Unknown	-
13	1703003-13	4.05	OK	1L	Repaired	1L	Good	Unknown	-
14	1703003-14	4.08	OK	1L	Repaired	1L	Good	Unknown	-
15	1703003-15	4.13	OK	1L	Repaired	1L	Good	Unknown	-
<u>Remark</u>									
<u>Recondition code</u>					<u>Description</u>				
1	Ordinary				①	Cleaning			
2	Improper spindle v/v stroke				②	Measurement spindle initial clearance			
3	Large clearance				③	Measurement spindle initial lift			
4	Crack				④	Reconditioning			
5	Break				⑤	Measurement spindle final clearance			
6	Seizure				⑥	Measurement spindle final lift			
7	Corrosion				⑦	test			
8	Warp								
9	other								
L	Grind & lapping surface								
LL	Grind spindle guide touch face								
LN	Replace spindle								
D	Beyond repair								



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RECONDITION REPORT FOR NON RETURN VALVE

Name of vessel MAERSK ENFIELD		Model B&W 98ME-C			Date 05-Apr-17		Work no. 1703003		
Present Quantity Received 25					Present Quantity Beyond Repair 1				
Injection test pressure (Mpa)		0 ~ 40		Standard of lift (μ)		3.5 ~ 4			
Standard of clearance (μ)		7 ~ 17		Standard of non return valve		-			
Serial Number	Initial Inspection			Final Inspection				Running hours	Repair record
	Lift (mm)	Clearance (μ)	Recondition code	Lift (mm)	Clearance (μ)	Recondition code	Injection condition		
16	1703003-16	4.09	OK	1L	Repaired	1L	Good	Unknown	-
17	1703003-17	4.12	OK	1L	Repaired	1L	Good	Unknown	-
18	1703003-18	4.04	OK	1L	Repaired	1L	Good	Unknown	-
19	1703003-19	4.16	OK	1L	Repaired	1L	Good	Unknown	-
20	1703003-20	4.05	OK	1L	Repaired	1L	Good	Unknown	-
21	1703003-21	4.12	OK	1L	Over clearance	-	Scrap	Unknown	-
22	1703003-22	4.09	OK	1L	Repaired	1L	Good	Unknown	-
23	1703003-23	4.11	OK	1L	Repaired	1L	Good	Unknown	-
24	1703003-24	4.11	OK	1L	Repaired	1L	Good	Unknown	-
25	1703003-25	4.04	OK	1L	Repaired	1L	Good	Unknown	-
<u>Remark</u> 1pc Non-return valve found beyond repair due to Over clearance and scrapped									
Recondition code		Description							
1	Ordinary	① Cleaning ② Measurement spindle initial clearance ③ Measurement spindle initial lift ④ Reconditioning ⑤ Measurement spindle final clearance ⑥ Measurement spindle final lift ⑦ test							
2	Improper spindle w/v stroke								
3	Large clearance								
4	Crack								
5	Break								
6	Seizure								
7	Corrosion								
8	Warp								
9	other								
L	Grind & lapping surface								
LL	Grind spindle guide touch face								
LN	Replace spindle								
D	Beyond repair								