

Company Reg. No. 201419851N

Add: #14-12, International Plaza,10 Anson Road Singapore 079903 E-mail: <a href="mailto:sales@mercantile.sg">sales@mercantile.sg</a> Tel: (+65) 6220-4882 Fax (+65) 6225-4470

## FUEL PUMP INSPECTION REPORT

JOB NO		1604078	D	: TYPE : ATE INSPECTION	P	AKI B&W 7S80ľ	VIC-C
VESSEL	. :		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	STOMER W/O NO:		CONTRACTOR OF STREET,	30)
PREPAI	RE BY :	Maung	CUS	TOMER REQUIRE :		Normal Time	
DESCRI Remark		7 nos M/E Fuel Pumps			Х	Urgent Time	
		Job Performed workscope	Х	Inopostad			
		Job Ferformed workscope		Inspected			
				Not Applicable			
X	Disasser	mbling, chemical cleaned of fue	ıl pump				
		Condition of valve assemb	oly				
Х	Suction o	casing seat wear			Qty	7nos	i.
NA	Suction o	casing beyond repair			Qty	nos	ñ
Х	Suction v	alve or disc face wear	10			7 nos	8
NA	Suction v	ralve broken				nos	
Х	Puncture	casing seat wear				7 nos	
NA		casing beyond repair				nos	
Х		valve face wear			Qty		
NA	Puncture	valve broken	÷	*	Qty	- nos	
	L	Condition of spring		]			
NA	Puncture	valve spring wear			Qty	nos	
NA	Puncture	valve spring broken			Qty	nos	
Х	Suction v	alve spring wear / short			Qty	7nos	
NA	Suction v	alve spring broken			Qty	nos	
Х	Shock ab	sorber spring external wear / b	roken		Qty	2 nos	
Х	Shock ab	sorber spring internal wear / br	oken		Qty	2 nos	
		Condition of shock absorb	er	1			
Х	Shock ab	sorber casing liner score		₩.	Qty	nos	
Х	Shock ab	sorber piston score			Qty		
Х	Shock ab	sorber spring retainer wear			Qty		
	¢.	The control of the co			~.)		



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	Condition of pump housing							
Х	Pump casing top half liner score (Slight Scoring)	Qty	7	nos				
X	Pump casing lower half liner score (Slight Scoring)	Qty	7	nos				
NA	Pump casing beyond repair	Qty		nos				
	Additional workdone							
	Additional workdone on Fuel Pump x Jol	b carried out						
	Job performed workscope No	t applicable						
Х	Suction casing internal seat to be machined ground	Qty	7	nos				
х	Suction valve lid to be machined grind	Qty	7	nos				
Х								
Х	Puncture valve lid to be machined ground	Qty	7	_nos				
NA	Top Cover Landing surface of Puncture Valve to be machined	Qty		nos				
NA	Top Cover Landing surface of Suction Valve to be machined	Qty	25	-				
	Additional recommendation & information							
a)	Plug Screw all Grind to remove cavitation and Re-use (Recommend to re	A STATE OF THE PARTY OF THE PAR	ocking)					
b)	All Timing Guide (433A 12) contact surface scratch marks (polished and	Re-used)						
c)	# 1, 2 Shock Absorber Spring (External & Internal) Re-new							
d)	#1 Shock Absorber Spring Guide Re-New							
e)	All Suction Valve Spring replaced with NEW							
f)	No. 4 Unit installed with NEW PLUNGER BARREL							

# MERCAN LE MARITIME SOLUTIONS PT LTD #14-12 International Plaza, 10 Anson Road Singapore 079903 Tea: (4-65) 6220-4832 E-mail: sales@mercantile.sg Company Rog. No. 20/419851N

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77

07-381

56

58

07-383

41 42

85

07-382

47

40 41 33

39 34

65

07-379

90.044 90.038

\* Max. Clearance limit is for D1 & D2 area. Plunger Mark - 3302537

NOMINAL DIA: STANDARD CLEARANCE: MAX. CLEARANCE LIMIT:	Remark: Total 7 nos plunger & barrel carrier
90.0 mm 30 - 35 µ M	carried out inspection & calibration. Found No.4 Throttle plug missir
A1 d2	ng

	יייייייייייייייייייייייייייייייייייייי	calibration. Found No 4 Throffle plug missing	
d1 d2			
63			
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179	ll 7 nos plunger & barrel carried out inspection & calibration. Found No.4 Throttle plug missing	
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23		
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	23	

Found No.4 Throttle plug missing	
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d No.4 Throttle plug r	89.979	
nissina	89.978	89.978
	89.974	89.975
	44	45
	41	42
	68	69
	07-300	04 20

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PLUNGER

CLEARANCE

Barrel Mark)

MEASUREMENT UNIT: (1/1000) MM

Unit No.

POS

BARREL 90.016

4-4 ×-×

> 90.020 7

90.042

90.042

89.978

89.975 89.975

89.989 89.976

89.990

89.983

89.985 89.977 89.977

35 44 42

34 41 41

57 65

07-384

59

07-380

FUEL PUMP CALIBRATION / INSPECTION REPORT

Model: KAWASAKI B&W 7S80MC-C
Date: 18-Jun-16

Vessel: Client:

Calibration No.: 102-183

Calibrated by : Sun
Calibrated Tool : Mitutoyo Micrometer
CR No. : ADG-2

Job No: 1604078

AND THE WAR SOLUTIONS PTE LTD



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CUSTOMER:

JOB NO: 1604078

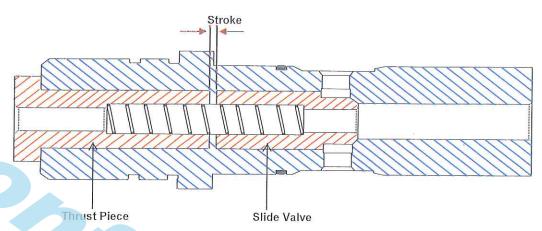
VESSEL: 0

DATE RECEIVED: 18-Jun-16

TYPE: KAWASAKI B&W 7S80MC-C

Measured by: Sun

Measured Tool: Mitutoyo Digimatic Depth Gage



## Fuel Pump Suction Valve

Cylinder Unit	#1	#2	#3	#4	#5	#6	#7
Body No.							
Stroke	9.04	9.30	9.14	9.11	9.09	8.96	9.12
Remark							

Maximum Limit: \_\_10.0 \_ mm

Remarks: All Suction Valve stroke (lift) within the limit, Recondition and Re-use

All Suction Valve Renew Spring

# MERCAN LE MARITIME SOLUTIONS PT. LTD #14-12 International Plana, 10 Anson Road Singapore 079903 Tel: (+65) 620-4882 E-mail: sales@mercantile.sg Company Reg. No. 201419851N

ב -	ıl	T	T	Т
Kemark	•	Current Dry Dock ( 25/06/ 2016)	Shop Trial Data	
	1	Lift (bTDC)	Lift (bTDC)	
-		22.07	22.20	
		21.86	21.92	2
		22.05	22.20	3
9		21.85	21.92	4
		21.35	21.40	51
		20.88	21.05	6
		21.28	21.40	7

## MEASUREMENT UNIT: LIFT (MM)

## FUEL PUMP TOP LIIFT CALIBRATION REPORT

Job No : 2207-E-16-810 (91022230) Calibrated by : Chai

Customer: Vessel:

0

Model: KAWASAKI B&W 7S80MC-C

Date: 25-Jun-16

, .y

WHITE WAR SOLUTIONS PTE LTD

4.



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Found #2 Plunger Nob hit marks

After cleaning the Pump Body



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



Found Shock Absorber Piston scratch marks



After Polish the Shock Absorber Piston



Crack check for Suction Valve



Found all Plung Screw small cavitation, polish



#1 & 2 Spring (External & Internal) re-new



Re-assemble of Shcok Absorber



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Suction valve / Puncture Valve landing surface machine grind & confirm contact





Found all Timing Guide contact surface worn down