## INSPECTION CERTIFICATE

MESSRS	UNIMECH	ENGINEERING	(M) SDN.	BHD.				
DELIVER To								Date : 2020/06/05
JOB NAME								
JOB No.								
P.O.No.	AP0-2004	-0010						
RODUCT CODE								
SPECIFICATION	 ∩N				MAIN	DADTO		
Manuf No.	10203302	82-020			No.		of parts	Material
Description		O DUCTILE IF	ON GLOBE	VAL VE		BODY	oi parts	
00011711011	FLANGED		.0.1	V/1212		BONNE	Τ	Gr. 60-40-18
Figure	150SPB11	/4						
Size	11/4			inch(B)				
Quantity	5							
Valve No.								
Item No.	20							
Kiki No.								
TEST								
Pressure test	t Judge.			and pressure	Item		Judge.	Attached sheet
Shell	Good	Hydro	2.6	MPa	Mater	ial	Good	Material Test Result
	Good	Air	1.8	MPa	Dimen	sion	Good	
Seat		Hydro	-		Visua	Visual Good		
	Good	Air	0.6	MPa	Opera	tion	Good	
Back seat		Hydro	-					Material Gr. 60-40-18 Gr. 60-40-18
		Air	-					
NONDESTRUCT	IVE EXAMIN	ATION						
Type of exam				Attached she	eet			
REMARKS								
REPRESENTATIV	VE TEST BY H	HYDRAULIC SH	ELL TEST H	HAS BEEN PERFOR	RMED			
							K. mi	yazawa
		14/: 4		_			itz cos	PORATION
		Witnessed	bγ			1-4		

## MATERIAL TEST RESULT

MESSRS		UNIMECH ENGINEERING (M) SDN. BHD.													Certificate No. 1020330282-020-01-01-Z1						
JOB NAME																					
JOB No.		100.0																	7		
P.O.No. PRODUCT CODE		AP0-2	APO-2004-0010															Ta			
Fig			150SPB											e No.	00						
			al AS No.	STM A 395 Gr. 60-40-18    Display No.   Nam					lame of Parts					No.	20						
1	138	}	7 110.					BODY				! !				-					
3								BONNET				! ! !									
_4_	=M1/	<u> </u>	COMP	001T1	) )/						<u>!</u>										
Εle	men	t	С	Si	Р	Mn															
	Spe	c. /	Min 3.00	*Max 2.50	Max 0.080																
1 2			3.61 3.61	2.59 2.60	0.021 0.019	0.26															
3			3.01	2.00	0.019	0.29															
4 Ele	men	t																			
	Spe	c. /																			
1 2																					
3																					
L 4 TEI	NS I	ON	TEST						1					IMPAC	T TES	<u> </u>					
Ite	m						ensile str			Elongat ₀/	tion										
	Init Spec.			MPa Min		in	MPa % Min Min														
1	$\rightarrow$						15 30	275 281		18 21											
2						4	30	282		21											
4																					
Item Hardness Unit HB				Microstructure %											+						
	<u>Spe</u> c. 143		Min	Min 90																	
1	1 143 90		90																		
3	3		90	90																	
4			A TMEN																		
	N Spe	C.	ATMEN	ı C								I									
1 2																					
2 3 4																					
N:Normalizing A:Annealing T:Tempe WQ:Water Quenching OQ:Oil Quenching WC:Wate														AC:Air Cooling ing ST:Solution Treatment							
	wq:w MAR		r Queno	ching	OQ:	OTT QU	<u>iench i ng</u>		WC:W	ater C	ooling		FC	:Furna	ce Cool	ing	5	1:501	ution	Treatmen	nt
* E	ver	y C	).01% F	redu	ction e	nable	s 0.08%	Si ind	creas	se eac	h with	in 1	he ma	ximum	2.75%						
EN10204 Type 2.2																					
														K	?. W	liy	aza	wo	•		
	Reviewed by  Reviewed by  Reviewed by												-								
					К	eview	ea by							FX11		C Mar	nager	~1 I			