

Certificate/Serial/Job No:

YH15

Quality Department:

John Ho

Quantity	Size (NPS)	Class	Product	Description	Type	SONumber	Line	Sold to	Date
96	4	150	/ 103039	DSI 37XUF	GATE				5/21/2012

Pressure Test: API598	<input checked="" type="checkbox"/> Satisfactory	Shell Pressure : 450 <i>psi</i> 3102.64 <i>kPa</i>	BackSeat : 325 <i>psi</i> 2240.8 <i>kPa</i>	Seat Pressure 325 <i>psi</i> 2240.8 <i>kPa</i>	Seat Air Pressure 80 <i>psi</i> 551.58 <i>kPa</i>
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Part	Specif.	HEAT#	Chemical Composition [%]													Mechanical Properties									
			C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	W	Nb	Al	N	Ceq	Tensile [ksi] [MPa]	Yield [ksi] [MPa]	Elong [%]	Reduc [%]	Hard [HB]	Ch.1 [J]	Ch.2 [J]	Ch.3 [J]

YH15 / 1

BODY	ASTM A216 WCB-2008	A 11714	0.200	0.41	0.91	0.023	0.009	0.022	0.038	0.009	0.037	0.006		0.042	0.37	75.40	44.95	27	54	155								N
																519.86	309.9											
BONNET	ASTM A216 WCB-2008	A 11834	0.210	0.44	0.83	0.023	0.013	0.029	0.057	0.001	0.041	0.006		0.019	0.37	73.37	43.50	30	57	150								N
																505.87	299.9											
WEDGE	ASTM A217 CA15-2007	D 5900	0.12	0.90	0.85	0.026	0.010	0.139	12.44	0.040	0.017					103.82	72.07	21	49	261								N
																715.81	496.9											

YH15 / 2

BODY	ASTM A216 WCB-2008	A 11717	0.210	0.42	0.89	0.027	0.016	0.027	0.062	0.001	0.047	0.006		0.012	0.38	76.56	45.10	27	53	157								N
																527.86	311											
BONNET	ASTM A216 WCB-2008	A 11713	0.210	0.43	0.88	0.027	0.015	0.042	0.067	0.001	0.054	0.010		0.007	0.38	74.53	44.23	31	56	151								N
																513.87	305											
WEDGE	ASTM A217 CA15-2007	D 5901	0.10	0.93	0.79	0.022	0.011	0.107	12.63	0.038	0.013					105.13	74.39	20	48	266								N
																724.85	512.9											

YH15 / 3

BODY	ASTM A216 WCB-2008	W 16371	0.192	0.46	0.96	0.025	0.011	0.044	0.046	0.007	0.069	0.008			0.37	87.44	60.90	28	52	168								N
																602.88	419.9											
BONNET	ASTM A216 WCB-2008	A 11710	0.200	0.44	0.88	0.028	0.012	0.02	0.044	0.001	0.036	0.005		0.031	0.36	76.56	45.97	26	53	155								N
																527.86	317											
WEDGE	ASTM A217 CA15-2007	D 5854	0.11	0.94	0.78	0.026	0.010	0.126	12.95	0.036	0.016					100.63	72.36	20	49	265								N
																693.82	498.9											

YH15 / 4

BODY	ASTM A216 WCB-2008	A 11704	0.200	0.43	0.90	0.027	0.012	0.023	0.052	0.001	0.050	0.005		0.021	0.37	73.23	43.21	32	58	152								N
																504.90	297.9											
BONNET	ASTM A216 WCB-2008	A 11702	0.210	0.48	0.88	0.03	0.018	0.027	0.05	0.001	0.047	0.005		0.01	0.37	74.53	44.37	30	56	151								N
																513.87	305.9											
WEDGE	ASTM A217 CA15-2007	D 5901	0.10	0.93	0.79	0.022	0.011	0.107	12.63	0.038	0.013					105.13	74.39	20	48	266								N
																724.85	512.9											

YH15 / 5

BODY	ASTM A216 WCB-2008	W 17081	0.198	0.40	0.941	0.021	0.007	0.038	0.036	0.006	0.035	0.006		0.036	0.38	82.07	51.48	31	57	171		N
																565.85	354.9					
BONNET	ASTM A216 WCB-2008	A 11704	0.200	0.43	0.90	0.027	0.012	0.023	0.052	0.001	0.050	0.005		0.021	0.37	73.23	43.21	32	58	152		N
																504.90	297.9					
WEDGE	ASTM A217 CA15-2007	D 3330	0.11	0.90	0.80	0.024	0.011	0.106	12.52	0.017	0.032					104.55	73.95	19	49	265		N
																720.85	509.9					

YH15 / 6

BODY	ASTM A216 WCB-2008	W 16677	0.199	0.50	0.97	0.017	0.007	0.038	0.053	0.005	0.040	0.005		0.38	80.91	53.80	29	57	161		N	
																557.85	370.9					
BONNET	ASTM A216 WCB-2008	A 11570	0.200	0.44	0.88	0.024	0.013	0.018	0.038	0.004	0.033	0.004		0.049	0.36	76.13	45.53	29	56	158		N
																524.9	313.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015		0.40	82.51	53.22	32	40	171		N	
																568.89	366.9					

YH15 / 7

BODY	ASTM A216 WCB-2008	W 17176	0.206	0.50	0.966	0.026	0.009	0.025	0.041	0.005	0.031	0.006		0.052	0.39	85.70	50.75	29	57	163		N
																590.88	349.9					
BONNET	ASTM A216 WCB-2008	A 11571	0.200	0.51	0.94	0.026	0.015	0.029	0.062	0.003	0.04	0.005		0.018	0.38	73.08	43.50	32	57	150		N
																503.87	299.9					
WEDGE	ASTM A217 CA15-2007	D 5846	0.09	0.91	0.80	0.025	0.011	0.131	12.40	0.034	0.011					102.08	70.76	19.6	49	261		N
																703.82	487.9					

YH15 / 8

BODY	ASTM A216 WCB-2008	W 16371	0.192	0.46	0.96	0.025	0.011	0.044	0.046	0.007	0.069	0.008		0.37	87.44	60.90	28	52	168		N	
																602.88	419.9					
BONNET	ASTM A216 WCB-2008	A 11715	0.230	0.43	0.85	0.029	0.014	0.029	0.054	0.014	0.042	0.006		0.011	0.39	73.08	43.21	32	57	150		N
																503.87	297.9					
WEDGE	ASTM A217 CA15-2007	D 5661	0.09	0.92	0.78	0.026	0.010	0.123	12.38	0.037	0.018					102.95	73.52	21	50	263		N
																709.82	506.9					

YH15 / 9

BODY	ASTM A216 WCB-2008	W 16698	0.200	0.49	0.93	0.027	0.012	0.038	0.059	0.007	0.037	0.007		0.37	84.54	52.64	30	57	174		N	
																582.88	362.9					
BONNET	ASTM A216 WCB-2008	A 11839	0.200	0.45	0.91	0.023	0.014	0.026	0.048	0.001	0.040	0.007		0.014	0.37	75.98	45.10	29	55	154		N
																523.86	311					
WEDGE	ASTM A217 CA15-2007	D 5866	0.11	0.98	0.80	0.014	0.011	0.169	12.87	0.029	0.031					100.34	70.91	18.5	49	256		N
																691.82	488.9					

YH15 / 10

BODY	ASTM A216 WCB-2008	A 11713	0.210	0.43	0.88	0.027	0.015	0.042	0.067	0.001	0.054	0.010		0.007	0.38	74.53	44.23	31	56	151		N
																513.87	305					
BONNET	ASTM A216 WCB-2008	A 11718	0.210	0.49	0.82	0.027	0.014	0.03	0.055	0.001	0.045	0.006		0.014	0.36	73.08	43.50	33	57	150		N
																503.87	299.9					
WEDGE	ASTM A217 CA15-2007	D 5851	0.12	0.90	0.76	0.025	0.010	0.156	12.84	0.039	0.014					103.10	74.68	20	52	263		N
																710.85	514.9					

YH15 / 11

BODY	ASTM A216 WCB-2008	W 17034	0.208	0.48	0.962	0.028	0.008	0.027	0.031	0.003	0.027	0.005		0.055	0.39	82.07	57.28	29	52	159		N
																565.85	394.9					
BONNET	ASTM A216 WCB-2008	A 11571	0.200	0.51	0.94	0.026	0.015	0.029	0.062	0.003	0.04	0.005		0.018	0.38	73.08	43.50	32	57	150		N
																503.87	299.9					
WEDGE	ASTM A217 CA15-2007	D 3336	0.10	0.92	0.83	0.025	0.010	0.110	12.65	0.012	0.026					102.52	72.21	19.1	49	266		N
																706.85	497.9					

YH15 / 12

BODY	ASTM A216 WCB-2008	A 11706	0.210	0.44	0.90	0.024	0.014	0.019	0.034	0.001	0.041	0.007		0.017	0.37	74.53	44.23	32	57	153		N
																513.87	305					
BONNET	ASTM A216 WCB-2008	A 11829	0.200	0.47	0.91	0.023	0.019	0.029	0.041	0.003	0.051	0.006		0.37	74.10	43.79	33	58	150		N	
																510.90	301.9					

BODY	ASTM A216 WCB-2008	A 11715	0.230	0.43	0.85	0.029	0.014	0.029	0.054	0.014	0.042	0.006	0.011	0.39	73.08	43.21	32	57	150		N
															503.87	297.9					
BONNET	ASTM A216 WCB-2008	A 11700	0.210	0.51	0.98	0.026	0.012	0.039	0.053	0.001	0.046	0.005	0.023	0.39	75.40	44.95	26	54	154		N
															519.86	309.9					
WEDGE	ASTM A216 WCB-2008	X 1059	0.23	0.48	0.86	0.020	0.019	0.21	0.22	0.18	0.12	0.017	0.48		81.78	52.93	39	41	170		N
															563.85	364.9					

YH15 / 21

BODY	ASTM A216 WCB-2008	A 11702	0.210	0.48	0.88	0.03	0.018	0.027	0.05	0.001	0.047	0.005	0.01	0.37	74.53	44.37	30	56	151		N
															513.87	305.9					
BONNET	ASTM A216 WCB-2008	A 11715	0.230	0.43	0.85	0.029	0.014	0.029	0.054	0.014	0.042	0.006	0.011	0.39	73.08	43.21	32	57	150		N
															503.87	297.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015	0.40		82.51	53.22	32	40	171		N
															568.89	366.9					

YH15 / 22

BODY	ASTM A216 WCB-2008	W 17121	0.200	0.40	0.876	0.017	0.007	0.024	0.033	0.004	0.032	0.006	0.055	0.36	76.27	53.22	29	58	166		N
															525.86	366.9					
BONNET	ASTM A216 WCB-2008	A 11704	0.200	0.43	0.90	0.027	0.012	0.023	0.052	0.001	0.050	0.005	0.021	0.37	73.23	43.21	32	58	152		N
															504.90	297.9					
WEDGE	ASTM A217 CA15-2007	D 5390	0.11	0.92	0.78	0.024	0.011	0.121	12.59	0.029	0.010				104.55	75.55	19.6	49	258		N
															720.85	520.9					

YH15 / 23

BODY	ASTM A216 WCB-2008	W 16668	0.196	0.49	0.91	0.024	0.009	0.042	0.046	0.006	0.036	0.007		0.36	82.07	52.06	29	56	162		N
															565.85	358.9					
BONNET	ASTM A216 WCB-2008	A 11696	0.220	0.47	0.96	0.027	0.017	0.025	0.05	0.008	0.041	0.005	0.046	0.40	76.27	45.10	29	54	156		N
															525.86	311					
WEDGE	ASTM A216 WCB-2008	X 1063	0.19	0.48	0.81	0.010	0.017	0.15	0.19	0.20	0.12	0.015	0.43		81.78	53.51	40	39	171		N
															563.85	368.9					

YH15 / 24

BODY	ASTM A216 WCB-2008	W 16617	0.204	0.51	0.85	0.034	0.015	0.049	0.076	0.009	0.035	0.007		0.37	86.28	58.58	29	56	168		N
															594.88	403.9					
BONNET	ASTM A216 WCB-2008	A 11568	0.220	0.48	0.87	0.023	0.012	0.02	0.105	0.009	0.041	0.004		0.39	76.71	45.82	27	54	155		N
															528.9	315.9					
WEDGE	ASTM A216 WCB-2008	X 1063	0.19	0.48	0.81	0.010	0.017	0.15	0.19	0.20	0.12	0.015	0.43		81.78	53.51	40	39	171		N
															563.85	368.9					

YH15 / 25

BODY	ASTM A216 WCB-2008	A 11720	0.210	0.43	0.91	0.023	0.011	0.029	0.049	0.005	0.043	0.004		0.38	72.50	42.78	33	56	149		N
															499.87	295					
BONNET	ASTM A216 WCB-2008	A 11711	0.210	0.41	0.85	0.025	0.013	0.034	0.155	0.001	0.051	0.005	0.014	0.39	75.55	44.95	25	50	153		N
															520.9	309.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015	0.40		82.51	53.22	32	40	171		N
															568.89	366.9					

YH15 / 26

BODY	ASTM A216 WCB-2008	A 11709	0.210	0.53	0.95	0.028	0.014	0.008	0.028	0.006	0.043	0.006	0.028	0.38	73.23	43.79	32	56	151		N
															504.90	301.9					
BONNET	ASTM A216 WCB-2008	A 11716	0.200	0.48	0.9	0.026	0.016	0.028	0.076	0.001	0.044	0.005	0.034	0.37	74.24	44.37	31	56	152		N
															511.87	305.9					
WEDGE	ASTM A217 CA15-2007	D 5892	0.13	0.92	0.80	0.011	0.011	0.255	12.70	0.052	0.078				103.39	72.79	20	48	262		N
															712.85	501.9					

YH15 / 27

BODY	ASTM A216 WCB-2008	W 16676	0.206	0.40	0.97	0.027	0.009	0.028	0.044	0.003	0.035	0.006		0.38	82.07	50.17	29	53	153		N
															565.85	345.9					
BONNET	ASTM A216 WCB-2008	A 11704	0.200	0.43	0.90	0.027	0.012	0.023	0.052	0.001	0.050	0.005	0.021	0.37	73.23	43.21	32	58	152		N
															504.90	297.9					

BODY	ASTM A216 WCB-2008	A 11704	0.200	0.43	0.90	0.027	0.012	0.023	0.052	0.001	0.050	0.005	0.021	0.37	73.23	43.21	32	58	152		N
															504.90	297.9					
BONNET	ASTM A216 WCB-2008	A 11697	0.210	0.44	0.89	0.026	0.014	0.028	0.067	0.001	0.043	0.006	0.028	0.38	74.68	44.37	34	56	152		N
															514.90	305.9					
WEDGE	ASTM A217 CA15-2007	D 5389	0.09	0.87	0.74	0.027	0.011	0.137	12.84	0.040	0.011				103.97	74.24	19	50	262		N
															716.85	511.9					

YH15 / 36

BODY	ASTM A216 WCB-2008	W 16618	0.210	0.50	0.90	0.035	0.016	0.057	0.064	0.007	0.037	0.008		0.38	83.38	54.38	28	53	164		N
															574.88	374.9					
BONNET	ASTM A216 WCB-2008	A 11697	0.210	0.44	0.89	0.026	0.014	0.028	0.067	0.001	0.043	0.006	0.028	0.38	74.68	44.37	34	56	152		N
															514.90	305.9					
WEDGE	ASTM A217 CA15-2007	D 5871	0.11	1.07	0.90	0.027	0.011	0.157	12.40	0.093	0.031				103.53	74.10	20	51	260		N
															713.81	510.9					

YH15 / 37

BODY	ASTM A216 WCB-2008	W 17060	0.210	0.41	0.938	0.026	0.007	0.034	0.042	0.018	0.051	0.016	0.052	0.39	76.27	55.54	28	57	162		N
															525.86	382.9					
BONNET	ASTM A216 WCB-2008	A 11573	0.200	0.46	0.89	0.025	0.011	0.037	0.049	0.002	0.05	0.010	0.033	0.37	74.97	44.66	32	57	150		N
															516.9	307.9					
WEDGE	ASTM A217 CA15-2007	D 2920	0.12	0.85	0.81	0.026	0.010	0.169	12.76	0.049	0.082				102.23	71.92	20	46	267		N
															704.85	495.9					

YH15 / 38

BODY	ASTM A216 WCB-2008	W 16372	0.203	0.47	0.93	0.032	0.011	0.047	0.040	0.006	0.051	0.010		0.38	82.22	53.22	28	55	173		N
															566.89	366.9					
BONNET	ASTM A216 WCB-2008	A 11848	0.210	0.40	0.87	0.028	0.013	0.025	0.049	0.001	0.038	0.005	0.024	0.37	76.42	45.53	26	54	155		N
															526.9	313.9					
WEDGE	ASTM A217 CA15-2007	D 2921	0.12	0.87	0.80	0.029	0.010	0.194	12.61	0.094	0.052				101.50	70.91	18.3	49	263		N
															699.82	488.9					

YH15 / 39

BODY	ASTM A216 WCB-2008	A 11852	0.220	0.46	0.86	0.024	0.015	0.026	0.047	0.003	0.039	0.005	0.052	0.38	73.08	43.50	31	58	150		N
															503.87	299.9					
BONNET	ASTM A216 WCB-2008	A 11854	0.220	0.43	0.86	0.024	0.014	0.026	0.062	0.001	0.044	0.005	0.039	0.38	76.27	45.97	27	54	155		N
															525.86	317					
WEDGE	ASTM A217 CA15-2007	D 3332	0.10	0.88	0.85	0.027	0.010	0.114	12.33	0.011	0.029				102.52	71.78	19	50	262		N
															706.85	494.9					

YH15 / 40

BODY	ASTM A216 WCB-2008	W 17470	0.198	0.41	0.97	0.024	0.010	0.029	0.051	0.005	0.037	0.007	0.046	0.37	84.54	54.38	29	57	153		N
															582.88	374.9					
BONNET	ASTM A216 WCB-2008	A 11571	0.200	0.51	0.94	0.026	0.015	0.029	0.062	0.003	0.04	0.005	0.018	0.38	73.08	43.50	32	57	150		N
															503.87	299.9					
WEDGE	ASTM A217 CA15-2007	D 5662	0.13	0.96	0.80	0.023	0.010	0.127	12.23	0.036	0.013				104.98	73.81	19	48	260		N
															723.81	508.9					

YH15 / 41

BODY	ASTM A216 WCB-2008	W 17083	0.210	0.46	0.98	0.026	0.01	0.025	0.042	0.006	0.038	0.006	0.052	0.39	80.33	56.12	29	58	154		N
															553.86	386.9					
BONNET	ASTM A216 WCB-2008	A 11703	0.210	0.44	0.86	0.024	0.018	0.026	0.048	0.001	0.043	0.005	0.033	0.37	75.84	44.95	29	56	153		N
															522.9	309.9					
WEDGE	ASTM A217 CA15-2007	D 5896	0.11	0.89	0.79	0.014	0.011	0.266	12.42	0.048	0.026				102.52	72.50	19	47	262		N
															706.85	499.9					

YH15 / 42

BODY	ASTM A216 WCB-2008	W 16649	0.204	0.41	0.96	0.028	0.010	0.044	0.053	0.006	0.038	0.007		0.38	86.28	52.06	29	53	171		N
															594.88	358.9					
BONNET	ASTM A216 WCB-2008	A 11716	0.200	0.48	0.9	0.026	0.016	0.028	0.076	0.001	0.044	0.005	0.034	0.37	74.24	44.37	31	56	152		N
															511.87	305.9					

WEDGE	ASTM A216 WCB-2008	X 1060	0.21	0.47	0.83	0.017	0.015	0.14	0.20	0.19	0.13	0.017		0.45	82.07	53.22	39	40	168		N
															565.85	366.9					

YH15 / 43

BODY	ASTM A216 WCB-2008	W 17470	0.198	0.41	0.97	0.024	0.010	0.029	0.051	0.005	0.037	0.007		0.046	0.37	84.54	54.38	29	57	153		N
																582.88	374.9					
BONNET	ASTM A216 WCB-2008	A 11710	0.200	0.44	0.88	0.028	0.012	0.02	0.044	0.001	0.036	0.005		0.031	0.36	76.56	45.97	26	53	155		N
																527.86	317					
WEDGE	ASTM A217 CA15-2007	D 5893	0.12	0.91	0.77	0.013	0.010	0.167	12.45	0.041	0.014					99.47	70.91	19	50	265		N
																685.82	488.9					

YH15 / 44

BODY	ASTM A216 WCB-2008	W 17081	0.198	0.40	0.941	0.021	0.007	0.038	0.036	0.006	0.035	0.006		0.036	0.38	82.07	51.48	31	57	171		N
																565.85	354.9					
BONNET	ASTM A216 WCB-2008	A 11713	0.210	0.43	0.88	0.027	0.015	0.042	0.067	0.001	0.054	0.010		0.007	0.38	74.53	44.23	31	56	151		N
																513.87	305					
WEDGE	ASTM A217 CA15-2007	D 5901	0.10	0.93	0.79	0.022	0.011	0.107	12.63	0.038	0.013					105.13	74.39	20	48	266		N
																724.85	512.9					

YH15 / 45

BODY	ASTM A216 WCB-2008	W 17177	0.205	0.50	0.98	0.03	0.017	0.023	0.035	0.004	0.036	0.006		0.053	0.39	80.91	56.12	28	53	159		N
																557.85	386.9					
BONNET	ASTM A216 WCB-2008	A 11699	0.210	0.44	0.93	0.023	0.009	0.025	0.06	0.021	0.038	0.005		0.027	0.39	74.24	44.37	31	57	150		N
																511.87	305.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015				82.51	53.22	32	40	171		N
																568.89	366.9					

YH15 / 46

BODY	ASTM A216 WCB-2008	W 17080	0.210	0.40	0.912	0.025	0.008	0.029	0.036	0.005	0.032	0.006		0.052	0.38	80.91	56.70	29	52	162		N
																557.85	390.9					
BONNET	ASTM A216 WCB-2008	A 11703	0.210	0.44	0.86	0.024	0.018	0.026	0.048	0.001	0.043	0.005		0.033	0.37	75.84	44.95	29	56	153		N
																522.9	309.9					
WEDGE	ASTM A216 WCB-2008	X 1059	0.23	0.48	0.86	0.020	0.019	0.21	0.22	0.18	0.12	0.017				81.78	52.93	39	41	170		N
																563.85	364.9					

YH15 / 47

BODY	ASTM A216 WCB-2008	W 17102	0.195	0.45	0.936	0.022	0.008	0.033	0.039	0.005	0.038	0.006		0.052	0.37	84.54	51.48	28	55	171		N
																582.88	354.9					
BONNET	ASTM A216 WCB-2008	A 11719	0.210	0.50	0.94	0.025	0.017	0.026	0.049	0.001	0.046	0.007			0.38	74.68	44.37	33	58	152		N
																514.90	305.9					
WEDGE	ASTM A216 WCB-2008	X 1063	0.19	0.48	0.81	0.010	0.017	0.15	0.19	0.20	0.12	0.015				81.78	53.51	40	39	171		N
																563.85	368.9					

YH15 / 48

BODY	ASTM A216 WCB-2008	W 17080	0.210	0.40	0.912	0.025	0.008	0.029	0.036	0.005	0.032	0.006		0.052	0.38	80.91	56.70	29	52	162		N
																557.85	390.9					
BONNET	ASTM A216 WCB-2008	A 11707	0.200	0.39	0.84	0.024	0.013	0.020	0.048	0.001	0.042	0.005		0.041	0.35	72.36	43.50	34	58	149		N
																498.90	299.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015				82.51	53.22	32	40	171		N
																568.89	366.9					

YH15 / 49

BODY	ASTM A216 WCB-2008	A 11706	0.210	0.44	0.90	0.024	0.014	0.019	0.034	0.001	0.041	0.007		0.017	0.37	74.53	44.23	32	57	153		N
																513.87	305					
BONNET	ASTM A216 WCB-2008	A 11699	0.210	0.44	0.93	0.023	0.009	0.025	0.06	0.021	0.038	0.005		0.027	0.39	74.24	44.37	31	57	150		N
																511.87	305.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015				82.51	53.22	32	40	171		N
																568.89	366.9					

YH15 / 50

BODY	ASTM A216 WCB-2008	W 17032	0.193	0.47	0.97	0.024	0.009	0.045	0.037	0.005	0.04	0.007		0.042	0.38	82.07	52.06	29	55	168		N
																565.85	358.9					
BONNET	ASTM A216 WCB-2008	A 11697	0.210	0.44	0.89	0.026	0.014	0.028	0.067	0.001	0.043	0.006		0.028	0.38	74.68	44.37	34	56	152		N
																514.90	305.9					
WEDGE	ASTM A216 WCB-2008	X 1057	0.20	0.48	0.72	0.015	0.017	0.21	0.12	0.13	0.13	0.015		0.40		82.51	53.22	32	40	171		N
																568.89	366.9					

Heat Treatment Codes:

<i>A</i> : Annealing	<i>AC</i> : Air Cooling	<i>DA</i> : Double Aged	<i>FT</i> : Furnace Treatment	<i>N</i> : Normalizing	<i>OQ</i> : OilQuenched
<i>Ph-3</i> : Precipitation Hardening	<i>SA</i> : Solution Annealed	<i>SQ</i> : Solution Quenched	<i>ST</i> : Solution Treatment	<i>T</i> : Tempering	<i>WC</i> : Water Cooling
<i>WO</i> : Water Quenched	<i>WT</i> : Water Quenched/ Tempered			<i>NT</i> : Normalized/Tempered	

Part	Material
BACK SEAT	ASTM A276 410
BODY/BONNET	ASTM A216 WCB
BOLTING	ASTM A193 B7 / ASTM A194 2H
DISC-WEDGE-CLAPPER	ASTM A217 CA15
PACKING	GRAPHITE
SEAT RING	ASTM A105 + Stl.6 Faced
STEM	ASTM A182 F6A Cl. 3
STEM NUT	ASTM A439-D2

Valves Tested per API598

We hereby certify, that the material described above complies with the order requirements.

EC Declaration of Conformity: JEV (Jiangyin Eastern Valve Co. Ltd.), Jiangsu Province, 214423, P.R. China

According to Annex VII of Pressure Equipment Directive 97/23/EC, hereby declare that the products detailed above are in compliance with PED 97/23/EC and have been manufactured in accordance with conformity assesment module B+D as approved Det Norske Veritas Inspection AB as Identification No 0575 (formally 0409). The products may cover Category I, II and III of pressure equipment. For the most specific risks of this equipment, safety and compliance with essential requirements of the Directive has been based on API 600, API598, ASME B16.34, ASME B16.5, ASME B16.10 latest edition.

Undersigned by Liu Jian Qing, representing Jianyin Eastern Valve company Ltd. : 