

**Dean Pump specification and tolerances check sheet**

1/9/17

R.A. Ross Associates, Inc.

Pump model:	PH2111	SIN 169066	A1583-B	New Style
<b>Tolerances</b>		<i>At arrival</i>	<i>After repair</i>	<i>pH2110 Factory spec</i>
Impeller to backhead measurement		0.1200	0.1000	0.008" to 0.012"
Impeller diameter		6.0000		
Max Shaft Runout		0.0020	0.0020	0.002"
Allowable shaft end play		0.0030	0.0060	Max. 0.006"
Impeller vane runout				Max 0.008"
<b>Torque Values</b>				
Casing bolts	NA	NA		50 ft. lbs
Brg. End cover	-		20.0000	20 ft. lbs
Impeller	-		40.0000	40 ft. lbs
Gland nuts (mechanical seal only)			20.0000	20 ft. lbs
<b>Bearings</b>				
<i>Radial</i>				6207 co
Shaft O.D.		1.3782	1.3782	1.3785/1.3781
Bearing I.D.		1.3780	1.3780	1.3780 / 1.3775
Fit		0.0000	0.0000	.001T/.0010T
Housing I.D.		2.8345	2.8345	2.8342 / 2.8354
Bearing O.D.		2.8345	2.8345	2.8346 / 2.8341
Fit		0.0000	0.0000	.0013L/.0004T
<i>Thrust</i>				5306ACo
Shaft O.D.		1.1816	1.1816	1.1816 / 1.1812
Bearing I.D.		1.1808	1.1809	1.1811 / 1.1807
Fit		0.0000	0.0000	.0001T / .0009T
Housing I.D.		2.8343	2.8343	2.8346/2.8353
Bearing O.D.		2.8342	2.8342	2.8346 / 2.8341
Fit		0.0000	0.0000	.0012L / .0000L