## FORSTHOFFER ASSOCIATES INC.

HERITAGE EXECUTIVE CAMPUS 1000 EAST WALNUT STREET, SUITE 621B PERKASIE, PA 18944 (215) 321-1907 (215) 321-1908 FAX (215) 321-1909

## PRINCIPLES OF ROTATING EQUIPMENT WORKSHOP AGENDA

Notes: \* Refers to the Chapter of the book to be used for the Workshop, Volume 1 of Forsthoffer's machinery Handbook

\*\* Refers to the appropriate Tab in the supplementary PDF Workshop Material

	SESSION	DESCRIPTION	CHAPTER*	TAB**
DAY 1				
1	COURSE INTRODUCTION	N		1
2	ROTATING EQUIPMENT	OVERVIEW	1	
3, 4	TYPES OF PUMPS		4	2
DAY 2				
5, 6	EFFECT OF THE PROCE DISPLACEMENT AND DY AND COMPONENT CONI	NAMIC EQUIPNMEN		3
7, 8	PUMP PERFORMANCE (	CURVES AND DATA	5	2
<b>DAY 3</b> 9	THE CONCEPT OF PUMP	P HEAD		4
10, 11	HYDRAULIC DISTURBAN	ICES	6	
12	PUMP MECHANICAL DES WEAR RINGS, IMPELLER BALANCE DRUMS	-	7	

SESSION	DESCRIPTION	CHAPTER*	TAB**
<b>DAY 4</b> 13-14	PUMP MECHANICAL SEALS		5
15 - 16	COMPRESSOR TYPES AND APPLICATIONS	9	6
DAY 5			
17 - 18	THE CONCEPT OF COMPRESSOR HEADAI PERFORMANCE CURVE EXAMPLES COMPRESSOR TYPES AND APPLICATIONS		7
19 - 20	STALL, SURGE AND STONEWALL	11 &12	
DAY 6			
21-22	DYNAMIC COMPRESSOR MECHANICAL DESIGN OVERVIEW	14	
23	COMPRESSOR RADIAL BEARING DESIGN	15	
24	COMPRESSOR THRUST BEARING DESIGN AND THRUST BALANCE	16	
DAY 7	AND THROOF BALANCE		
25 - 26	DRY GAS SEAL SYSTEM DESIGN		8,9
27	TYPES OF STEAM TURBINES	20	10
28	STEAM TURBINE PERFORMANCE	21	
DAY 8	CHARACTERISTICS		
29	STEAM TURBINE MECHANICAL DESIGN	22	
30	STEAM TURBINE CONTROL AND PROTECTION SYSTEMS	24	
31-32	LUBRICATION SYSTEMS OVERVIEW AND TYPES	31	11