Helicopter Turboshaft Engines

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Preface

Many textbooks describing the function of a turbine engine are available on the market but this book for first in universe describe the operation of the main components of a helicopter turboshaft engine, its thermodynamic principles and the principle of power generation.

This book was conceived as a fundamental text and reference for advanced engineering students and practicing engineers. It will, I hope, particularly interest and inform advanced students planning to expand their understanding beyond what they would normally attain in senior or graduate classes. Each chapter is written by an expert in the given speciality. Because of the advanced nature and complexity of the material, only minor efforts have been made to standardize on notation.

During the writing of this book I got some help from experts in their field for the optimization of the result. I wish to thank Dr. K. Ghorbanian and Dr. M. Taebi Rahni for their expertise concerning the concept of this book: Dr. M. Ahmad Abadi, Mohsen Pourhosein and Farhad Bazmi for their useful linguistic suggestions.

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Table of Contents

CHAPTER 1

History and Classifications of Aero Engines **17**

1.1 Prejet Engines-History 18
1.1.1 Early Activities in Egypt and China 19
1.1.2 Leonardo Da Vinci 20
1.1.3 Branca's Stamping Mill 20
1.1.4 Newton's Steam Wagon 20
1.1.5 Barber's Gas Turbine 21
1.1.6 Miscellaneous Aero-Vehicles Activities in The 18th and 19th Centuries 21
1.1.7 The Wright Brothers 23
1.1.8 Significant Events up to the 1940s 24
1.2 Jet Engines 27
1.2.1 Jet Engine Inventors: Dr. Hans von Ohain and Sir Frank Whittle 27
1.2.2 Turbojet Engines 29
1.2.3 Turboprop and Turboshaft Engines 33
1.2.4 Turbofan Engines 37
1.2.5 Propfan Engine 40
1.2.6 Pulsejet, Ramjet, and Scramjet Engines 42
1.2.7 Industrial Gas Turbine Engines 45
1.3 Classifications of Aerospace Engines 47
1.4 Classification of Jet Engines 48
1.4.1 RAMJET 49
1.4.2 Pulsejet 49
1.4.3 Scramjet 51
1.4.4 Turboramjet 51

1.4.5 Turborocket 52
1.5 Classification of Gas Turbine Engines 53
1.5.1 Turbojet Engines 54
1.5.2 Turboprop 56
1.5.3 Turboshaft 58
1.5.4 Turbofan Engines 59
1.5.5 Propfan Engines 65
1.5.6 Advanced Ducted Fan 66
1.6 Industrial Gas Turbines 67

CHAPTER 2
Helicopter Power Detremination **69**
2.1 Hover 69
2.2 Vertical Climb 73
2.2.1 Vertical Climb Energy Analysis 75
2.2.2 Blade Element In Vertical Climb 78
2.2.3 Vertical Parasite Power 79
2.2.4 Vertical Total Power 80
2.3 Forward Flight 81
2.3.1 Forward Induced Power 81
2.3.2 Profile Power In forward Flight 85
2.3.3 Rotor H-Forces 87
2.3.4 Region Of Reverse Flow 88
2.3.5 Forward Parasite Power 90
2.3.6 Forward Total Power 91
2.4 Forward Climbing Flight 93
2.4.1 Forward Climb Induced Power 94
2.4.2 Forward Climb Profile Power 95
2.4.3 Forward Climb parasite Power 96
2.5 Forward Total Power Required 96

CHAPTER 3
Cycle Design **99**
3.1 Thermodynamics Fundamentals 99
3.1.1 Basic Definitions and Assumptions 99
3.1.2 1st Law of Thermodynamics 101
3.1.3 2nd Law of Thermodynamics 102
3.1.4 Conservation of Mass 102
3.1.5 Momentum Equation 103
3.1.6 Ideal Gas Properties 103

3.1.7 Compressible Flow Considerations 105
3.2 Introduction to Gas Turbine Engines 109
3.2.1 Brayton Cycle 109
3.2.2 Component Descriptions and Configurations 114
3.3 Design Process Overview & Requirements Analysis 129
3.3.1 Integrated Propulsion System Requirements 131
3.3.2 Mission Analysis 137
3.3.3 Sensitivity Analysis 139
3.4 Parametric Cycle Analysis 140
3.4.1 Engine Configuration Selection 140
3.4.2 Design Point Selection 141
3.4.3 Engine Cycle Selection 141
3.5 Performance Cycle Analysis 146
3.5.1 Engine Operational Envelope 147
3.5.2 Off-Design Analysis 147

CHAPTER 4

Component Design ***157***

4.1 Axial Compressors – Design Point Performance and Basic Sizing 157
4.1.1 ConFigureuration and Velocity Triangles 157
4.1.2 Scaling an Existing Compressor Design 159
4.1.3 Efficiency 160
4.1.4 Guide to basic sizing parameters 161
4.2 Axial Flow Compressors – off Design Performance 166
4.2.1 The Compressor Map 166
4.2.2 Impact on the Map of Linearly Scaling an Existing Compressor design 168
4.2.3 Reynolds Number and T1 Effects 168
4.2.4 Change in the Working Fluid 169
4.2.5 Loading Compressor Maps into Engine off Design Performance Models – Beta Lines 170
4.2.6 Surge, Rotating Stall, and Locked Stall 172
4.2.7 Operation of Multi-Stage Compressors 174
4.2.8 Effect of Inlet Flow Angle – VIGVs 175
4.2.9 Handling Bleed Valves 177
4.2.10 Inlet Pressure and Temperature Distortion 177
4.2.11 Peculiarities of the Low Speed Region Of The Map 179
4.2.12 Effect of Changing Tip Clearance 180
4.2.13 Applying Factors and Deltas to A Map 181
4.2.14 The Compressor Rig Test 181

4.2.15 Flutter 183
4.3 Centrifugal Compressors – Design Point Performance and Basic Sizing 183
4.3.1 ConFigureuration and Velocity Triangles 183
4.3.2 Scaling an Existing Centrifugal Compressor Design 186
4.3.3 Efficiency 186
4.3.4 Guide to basic sizing parameters 187
4.3.5 Centrifugal compressors versus axial flow compressors 190
4.3.6 Mass flow ranges suited to axial and centrifugal compressors 191
4.4 Centrifugal Compressors – Off Design Performance 192
4.4.1 Effects of Changing Tip Clearance 192
4.4.2 Aerofoil stall, surge, rotating stall and tertiary stall 193
4.4.3 Flutter 193
4.5 Combustors – Design Point Performance and Basic Sizing 193
4.5.1 Configureurations 194
4.5.2 Scaling an Existing Combustor Design and Non-Dimensional Performance 196
4.5.3 Combustion Efficiency 196
4.5.4 Pressure Loss 198
4.5.5 Guide to Basic Sizing Parameters 198
4.6 Combustors – Off Design Performance 202
4.6.1 Efficiency and Temperature Rise 202
4.6.2 Pressure Loss 202
4.6.3 Combustor Stability 202
4.6.4 Weak Extinction Versus Ambient Conditions and Flight Mach Number 203
4.6.5 Starting and Restarting – Ignition, Light Around and Relight 205
4.6.6 The Combustor Rig Test 205
4.7 Axial Flow Turbines – Design Point Performance and Basic 206
4.7.1 Configureuration and Velocity Triangles 206
4.7.2 Scaling an Existing Turbine 208
4.7.3 Efficiency 208
4.7.4 Guide to Basic Sizing Parameters 211
4.8 Axial Flow Turbines – Off Design Performance 214
4.10.1 The Turbine Map 214
4.8.2 Impact on the Map of Linearly Scaling a Turbine Design 215
4.8.3 Reynolds Number and Inlet Temperature Effects 216
4.8.4 Change in the Working Fluid 216
4.8.5 Loading Turbine Maps into Engine Off Design Performance Models 216
4.8.6 Effect of Inlet Flow Angle – Variable Area Ngvs 217
4.8.7 Peculiarities of the Low Speed Region of the Map 217
4.8.8 Effect of Changing Tip Clearance 217
4.8.9 Applying Factors and Deltas to A Map 219

4.8.10 The Turbine Rig Test 219
4.9 Radial Turbines – Design 219
4.9.1 ConFigureuration and Velocity Triangles 219
4.9.2 Scaling an Existing Design 221
4.9.3 Efficiency 222
4.9.4 Guide to Basic Sizing Parameters 223
4.9.5 Radial Flow Turbines Versus Axial Flow Turbines 226
4.9.6 Capacity ranges suited to axial and radial flow turbines 227
4.10 Radial Turbines – Off Design Performance 228
3.11 Air Systems, Turbine NGV and Blade Cooling – Design Point Performance 228
3.11.1 ConFigureuration 228
4.11.2 Magnitudes of General Air System Flows 229
4.11.3 Magnitudes of Turbine and Ngv Blade Cooling Flows 230
4.11.4 Air System Flows in Design Point Calculations 231
4.12 Air Systems – Off Design Performance 234
4.12.1 Modulation of Flows 234
4.13 Mechanical Losses – Design Point Performance and Basic Sizing 235
4.13.1 Bearings – ConFigureuration, Power Loss and Basic Sizing Guidelines 235
4.13.2 Windage – Mechanism and Power Loss 236
4.13.3 Mechanical Efficiency 237
4.13.4 Engine Auxiliaries – Power Extraction and Basic Sizing Guidelines 237
4.13.5 Gearboxes 237
4.14 Mechanical Losses – Off Design Performance 238
4.14.1 Mechanical Efficiency 238
4.14.2 Engine Auxiliaries 238
4.14.3 Gearboxes 238

CHAPTER 5
System Integration **239**
5.1 Engine Control Systems 239
5.1.1 Full-Authority Digital Electronic Control (FADEC) 239
5.1.2 Health and Usage Monitoring System (HUMS) 241
5.1.3 Control System Redundancy 242
5.2 Air Induction System 243
5.2.1 Inlet Design 243
5.2.2 Engine Air Particle Separator (EAPS) 245
5.2.3 Engine Anti-Ice System 249
5.3 Engine Exhaust System 250
5.3.1 Exhaust Location 250

5.3.2 Exhaust Performance 252
5.3.3 Additional Design Considerations 252
5.4 Engine Drive Train 253
5.4.1 Engine Gearbox 253
5.4.2 Direct Drive Configuration 253
5.4.3 Engine Freewheeling Unit 254

CHAPTER 6
Emissions 255

6.1. Operational Assumptions for Emissions Modelling 255
6.1.1 General Remarks about Helicopter Operations and their Modelling 255
6.1.2 Single Engine Turboshaft Helicopter Operations 256
6.1.3 Twin Engine Turboshaft Helicopter Operations 256
6.2. Estimation of Fuel Flow and Emission Factors from Shaft Horsepower 262
6.3. Final Calculations 268
6.3.1 LTO Emissions 268
6.3.2 Emissions for One Hour Operation 269
6.4. Helicopter Emissions Table 269

APPENDIX A
Standard Reference Terminology 273

APPENDIX B
Altitude Tables 275

APPENDIX C
Performance And Design Data 279

APPENDIX D
Turboshaft engines 285

APPENDIX E
Case Study Turboshaft PT6T 303

E.1 Engine Overview 303
Power-Section bearings 305
Gearbox bearings 305
E.2 Cold Section 311
E.2.1 Compressor and Inlet Case 312

E.2.2 Compressor Bleed Valve 314
E.2.3 BLEED VALVE CLOSING POINT 315
E.2.3 Gas Generator Case 316
E.2.4 Compressor Wash 317
E.3 Hot Section 319
E.3.1 Combustion Chamber Liner 320
E.3.2 Small and Large Exit Ducts 321
E.3.3 Compressor Turbine Vane Ring 322
E.3.4 Compressor Turbine 325
E.3.5 Power Turbine Vane Ring 326
E.3.6 Power Turbine 327
E.3.7 Secondary Air System 327
E.3.8 Hot Section Cooling 328
E.3.9 Power Turbine & Exhaust Section 329
E.3.10 Sealing of the Hot Section 330
E.3.11 Turbine Wash 331
E.4 Gearboxes 333
E.4.1 Reduction Gearbox Clutch Arrangement 334
E.4.2 Clutch Gear Sealing 335
E.4.3 Accessory Gearbox 336
E.4.4 Accessory Gearbox Breather 337
E.5 Oil System 338
E.5.1 Pressure System 339
E.5.2 Scavenge System 339
E.5.3 Pressure-adjusting Valve 341
E.5.4 Check Valve 341
E.5.5 Pressure Regulating Valve 342
E.5.6 Oil Filter and Bypass Valve 343
E.5.7 Bearing Compartment Sealing 344
E.5.8 Accessory Gearbox Breather 345
E.5.9 Reduction Gearbox Oil System 345
E.5.10 RGB Oil System 347
E.5.11 Pressure Regulating Valve 348
E.6 Ignition System 350
E.7 Fuel System 351
E.7.1 Fuel Heater 353
E.7.2 Fuel Pump 354
E.7.3 Manual Fuel Control Unit (MFCU) 356
E.7.4 Power Lever Adjustments 358
E.7.5 Flow Divider and Dump Valve 359

E.7.6 Fuel Nozzles 360
E.7.7 Dual Orifice Fuel Nozzles 361
E.7.8 Automatic Fuel Control Unit 362
E.7.9 Power Turbine Governor (N2) and Control 365
E.7.10 Torque Control Unit 367
E.7.11 Fuel System Troubleshooting 370
E.8 Performance 375
E.8.1 Engine Ratings 375
E.8.2 Power Assurance Checks 376
E.8.3 Helicopter Engine Condition Trend Monitoring (HECTM™) 379
E.8.4 Engine Performance Troubleshooting 383
E.8.5 Operating Limits 384

APPENDIX F
Engine Failures ***387***
F.1 Autorotations 387
F.1.1 Closer Examination of Autorotative Performance 390
F.1.2 Energy And Autorotations 392
F.1.3 Three Basic Locations 397
F.1.4 Kinetic Energy in the Flare 399
F.2 Intervention Delay Time 403
F.3 Height Velocity Curves 404
F.4 Engine Failures In Multi-Engine Helicopters 408