



Essential Turbines Inc.

The "Essential" Facts

CURRENT MODULE TIME BETWEEN OVERHAULS

MODULE	B17	C20/C20R	C28	C30	C40	C47
Compressor	3500	3500	On Condition	On Condition	On Condition	On Condition
Gearbox	On Condition	On Condition	On Condition ^{*3}	On Condition ^{*3}	On Condition	On Condition
Turbine	3500 ^{*1}	3500 ^{*1}	1500	2000	1750	2000
Prop Gearbox	On Condition ^{*2}					

^{*1} B17/B17F/C20/C20R Series Turbines require a Heavy Maintenance Inspection (HMI) at 1750 hours.

^{*2} B17/B17F Prop Reduction Gearbox used in aerobatic application has a 2000 hour T.B.O

^{*3} C28/C30 Gearbox Assemblies may have life limited gears as per CEB 72-2003 / 72-3003

COMPONENT PARTS LIFE LIMITS

ASSEMBLY	C20, C20B, B17 Hours/Cycles	C20R/B17F Hours/Cycles	C28 Hours/Cycles	C30 Hours/Cycles	C40 Hours/Cycles	C47 Hours/Cycles
Compressor						
Impeller	3550/9150 [*]	7500/15000 [*]	15000/25000	15000/25000	7500/15000	7500/15000
Wheels	On Condition 15000/30000 [*]	7500/15000	-	-	-	-
Turbine						
1st Stg Wheel	1775/3000 [*]	1775/3000	1550/3000	2025/3000 [*]	1775/3000	2025/3000
2nd Stg Wheel	1775/3000 [*]	1775/3000	1550/3000	2025/3000 [*]	1775/3000	2025/3000
3rd Stg Wheel	4550/6000	4550/6000	4550/6000 [*]	4550/6000	4550/6000	4550/6000
4th Stg Wheel	4550/6000	4550/6000	4550/6000	4550/6000	4550/6000	4550/6000
GP Tiebolt	9000 Cycle Limit	9000 Cycle Limit	-	-	-	-

^{*} Indicates certain part numbers only.

PLEASE REFER TO THE APPROPRIATE MODEL 250 OPERATION AND MAINTENANCE MANUAL FOR ALL LIFE LIMITS, MODULE, COMPONENT AND ACCESSORY TBOS. THIS IS INTENDED AS A GUIDE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

CURRENT ACCESSORY TIME BETWEEN OVERHAULS

ITEM	SERIES II TURBO PROP B17/B17C/B17D	SERIES II TURBO SHAFT C20 SERIES	SERIES II C20R/B17F SERIES
Honeywell Fuel Control	2000	2500 [*]	2500
Honeywell PT Governor	-	2000 [*]	2000
Double Check Valve	-	On Condition	On Condition
Goodrich Fuel Control	-	4000 [*]	-
Goodrich Fuel Pump	3500	3500	3500
Goodrich Governor	-	4000 [*]	-
Sundstrand Fuel Pump	2250	2250	2250
Argo-Tech Fuel Pump	4000 [*]	4000 [*]	4000 [*]
Dual Element Pump	-	2250 [*]	-
Fuel Nozzle	2500 [*]	2500 [*]	2500
Combined Governor	2000	-	B17F = 2000
Prop O/S Governor	3000	-	B17F = 3000
Coordinator	On Condition	-	B17F = O/C
Bleed Valve	1500	1500	1500

ITEM	SERIES III C28	SERIES IV C30	SERIES IV C40/C47
Honeywell Fuel Control	2,500 [*]	2,500 [*]	-
Honeywell PT Governor	2,000 [*]	2,000 [*]	-
HMI	-	-	2500
Double Check Valve	On Condition	On Condition	-
Sundstrand Fuel Pump	1500	1500	-
Argo-Tech Fuel Pump	3000	3000	-
Goodrich Fuel Pump	3500	3500	-
Fuel Nozzle	2000	2000	2000
Bleed Valve	1500	1500	1500

QUALITY IS ESSENTIAL

VISIT US AT WWW.ESSENTIALTURBINES.COM OR
E-MAIL US AT INFO@ESSENTIALTURBINES.COM