

Fan New Engine Template Sample File

[Engine Details]
Name=ENGINE1
Planes=1
RotationFLA=1

* engine name and number of balance planes (default=1), engine rotation Forward Looking Aft

NoPos0=36
NoPosSol0=7
Dir0=1
Angle0=0
CurrWt0=0
MaxWt0=3520

* input number of Fan balance positions and maximum weight limit

NoPos1=0
NoPosSol1=7
Dir1=1
Angle1=0
CurrWt1=0
MaxWt1=0

* input number of LPT balance positions and maximum weight limit

100%RPM=5000

* input RPM value for 100% (if applicable), default is a blank field

[Transducer Info]
Number=2

T0Name=No 1 Bearing
T0HiHi=5.2
T0Hi=4.2

T1Name=TRF
T1HiHi=6.32
T1Hi=5.23

* number of transducers
* name, HiHi, and Hi limits for each transducer

[Tracking Speeds]
Number=
Spd0=
Spd1=
Spd2=
Spd3=
Spd4=

[SpdFact]
FSpd0=
FSpd1=
FSpd2=
FSpd3=
FSpd4=

[PUFact]

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FanFPU0=0.7
FanFPU1=0.3
FanFPU2=0.7
FanFPU3=0.3
FanFPU4=0.5
FanFPU5=0.5
FanFPU6=0.7
FanFPU7=0.15
FanFPU8=0.15

LPTFPU0=0.7
LPTFPU1=0.3
LPTFPU2=0.7
LPTFPU3=0.3
LPTFPU4=0.5
LPTFPU5=0.5
LPTFPU6=0.7
LPTFPU7=0.15
LPTFPU8=0.15

* Fan and LPT pickup factors

[Sensitivity]
0FanSens0=
0FanSens1=
0FanSens2=
0FanSens3=
0FanSens4=

1FanSens0=
1FanSens1=
1FanSens2=
1FanSens3=
1FanSens4=

0LPTSens0=
0LPTSens1=
0LPTSens2=
0LPTSens3=
0LPTSens4=

1LPTSens0=
1LPTSens1=
1LPTSens2=
1LPTSens3=
1LPTSens4=

[Phase Lag]
0FanPlag0=
0FanPlag1=
0FanPlag2=
0FanPlag3=
0FanPlag4=

1FanPlag0=
1FanPlag1=
1FanPlag2=
1FanPlag3=

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1FanPlag4=

0LPTPlag0=

0LPTPlag1=

0LPTPlag2=

0LPTPlag3=

0LPTPlag4=

1LPTPlag0=

1LPTPlag1=

1LPTPlag2=

1LPTPlag3=

1LPTPlag4=

[Fan Weights]

Number=6

Part0=P01

Part1=P02

Part2=P03

Part3=P04

Part4=P05

Part5=P06

PanWt0=10

PanWt1=13.4

PanWt2=16.8

PanWt3=20.2

PanWt4=23.6

PanWt5=27.4

EffectWt0=84.25

EffectWt1=164.18

EffectWt2=239.80

EffectWt3=314.56

EffectWt4=378.08

EffectWt5=440.74

* number of balance weights, part numbers, pan weights (not a required field)

* and effective weight values

[LPT Weights]

Number=0

Part0=

Part1=

Part2=

Part3=

Part4=

Part5=

Part6=

Part7=

Part8=

Part9=

PanWt0=

PanWt1=

PanWt2=

PanWt3=

PanWt4=

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PanWt5=
PanWt6=
PanWt7=
PanWt8=
PanWt9=

EffectWt0=
EffectWt1=
EffectWt2=
EffectWt3=
EffectWt4=
EffectWt5=
EffectWt6=
EffectWt7=
EffectWt8=
EffectWt9=

[Fan Config]
Number=

Loc0=
Loc1=
Loc2=
Loc3=
Loc4=
Loc5=
Loc6=
Loc7=
Loc8=
Loc9=
Loc10=
Loc11=
Loc12=
Loc13=
Loc14=
Loc15=
Loc16=
Loc17=
Loc18=
Loc19=

Part0=
Part1=
Part2=
Part3=
Part4=
Part5=
Part6=
Part7=
Part8=
Part9=
Part10=
Part11=
Part12=
Part13=
Part14=
Part15=
Part16=
Part17=

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Part18=
Part19=

[LPT Config]
Number=

Loc0=
Loc1=
Loc2=
Loc3=
Loc4=
Loc5=
Loc6=
Loc7=
Loc8=
Loc9=
Loc10=
Loc11=
Loc12=
Loc13=
Loc14=
Loc15=
Loc16=
Loc17=
Loc18=
Loc19=

Part0=
Part1=
Part2=
Part3=
Part4=
Part5=
Part6=
Part7=
Part8=
Part9=
Part10=
Part11=
Part12=
Part13=
Part14=
Part15=
Part16=
Part17=
Part18=
Part19=

[Units & Tables]
Weights=gm cm
Vibs=mils
Tables=TRUE

* effective weight and vibration units
* if weight lookup tables are available, tables=TRUE, otherwise leave as FALSE