Bearing Failures (weeks):

55

72

86

69

92

Descriptive Statistics: Bearing Failures (weeks)

Statistics

Variable	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3
Bearing Failures (weeks)	5	0	74.80	6.54	14.62	55.00	62.00	72.00	89.00

Variable	Maximum
Bearing Failures (weeks)	92.00

Distribution Identification for Bearing Failures (weeks)
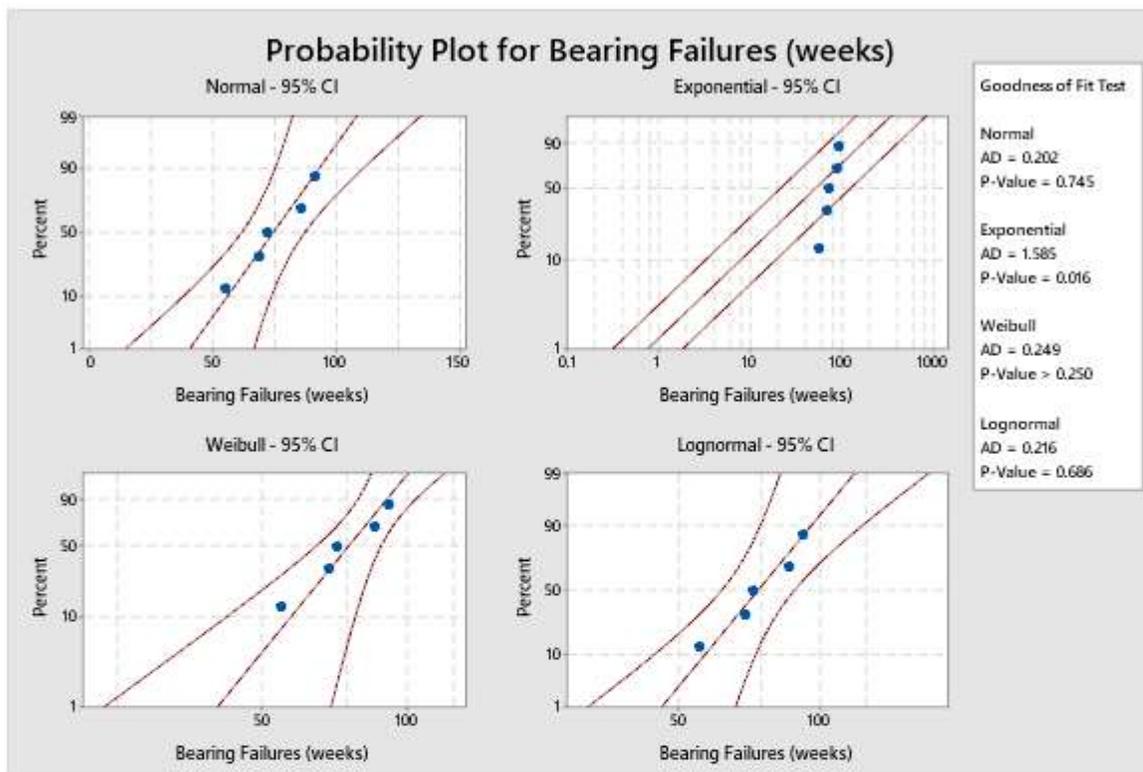
Descriptive Statistics

N	N*	Mean	StDev	Median	Minimum	Maximum	Skewness	Kurtosis
5	0	74.8	14.6185	72	55	92	-0.198209	-0.934146

Goodness of Fit Test

Distribution	AD	P
Normal	0.202	0.745
Exponential	1.585	0.016
Weibull	0.249	>0.250
Lognormal	0.216	0.686

Distribution Overview Plot: Bearing Failures (weeks)

Goodness-of-Fit

Distribution	Anderson-Darling (adj)
Normal	2.500

Distribution Overview Plot for Bearing Failures (weeks)
ML Estimates-Complete Data

Table of Statistics	
Mean	74.8
StDev	13.0752
Median	74.8
IQR	17.6381
Failure	5
Censor	0
AD*	2.500
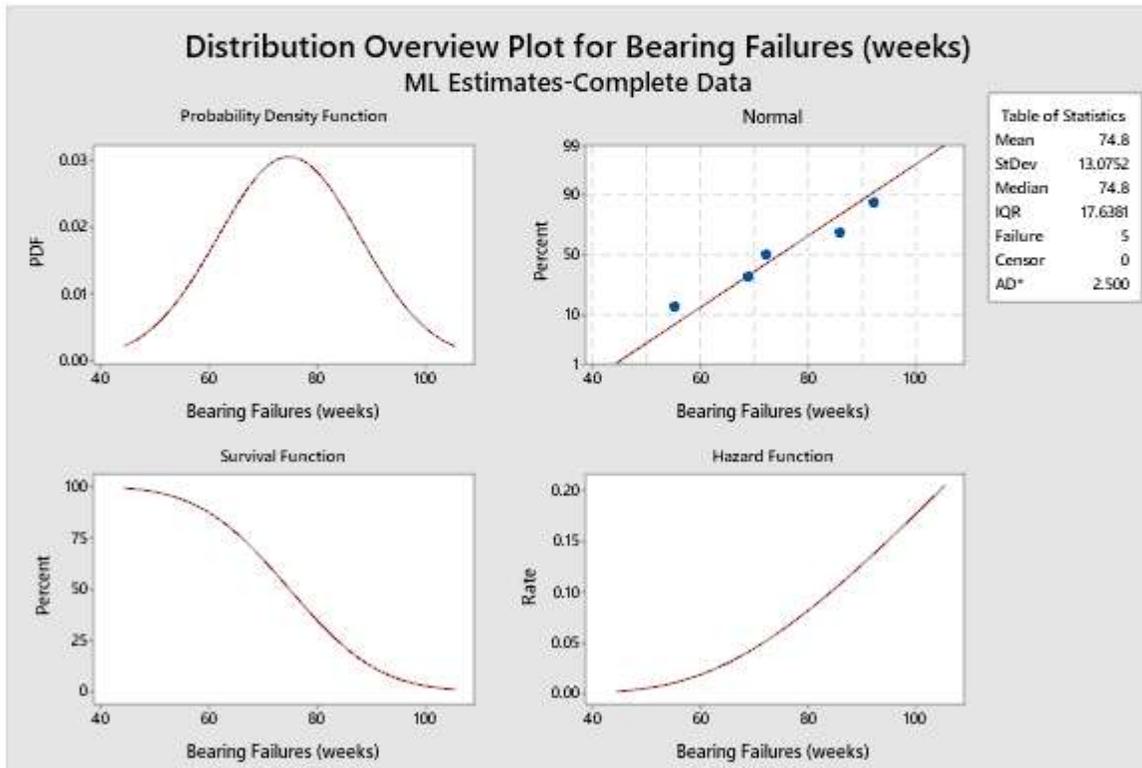
Conclusion:

Bearing history of failures fits Normal Probability Distribution with a mean time between failures:

MTBF = 75 weeks