

■ BEARING DIAGNOSTIC REPORT

AI-Powered Vibration Analysis System

■ Generated:	November 30, 2025
■ Time:	07:37 PM
■ Sample Rate:	12,000 Hz
■ Samples:	100
■ ML Model:	Random Forest Classifier

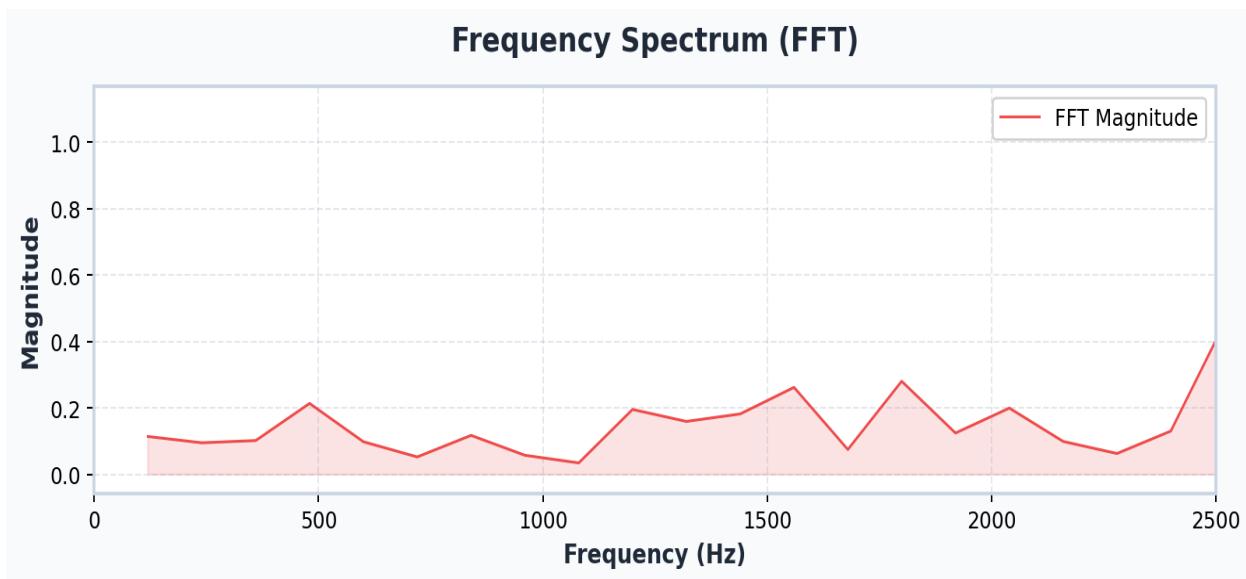
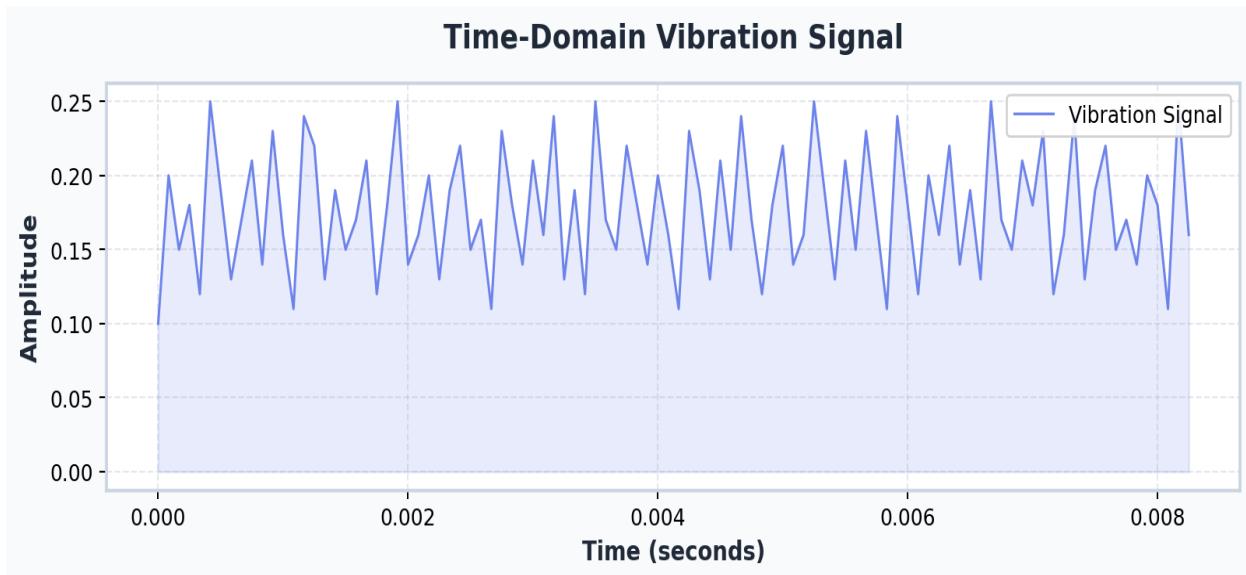
■ HEALTHY BEARING

FAULT TYPE	NORMAL
CONFIDENCE LEVEL	45.0%

■ Fault Probability Analysis

Fault Type	Probability	Visual Indicator
NORMAL	45.0%	███████████
BALL	37.0%	██████████
INNER RACE	8.0%	██
OUTER RACE	10.0%	███

■ Signal Visualization



■ Extracted Features

Feature	Value	Feature	Value
Mean	0.1762	Kurtosis	-1.0306
Std	0.0414	Clearance Factor	1.4389
Rms	0.1810	Shape Factor	1.0272
Peak	0.2500	Impulse Factor	1.4188

Peak To Peak	0.1500	Freq Mean	4048.0747
Crest Factor	1.3813	Freq Std	1094.6957
Skewness	0.1489	Freq Peak	4200.0000

■ Recommendations

■ **< b >NO ACTION REQUIRED
Operating normally. Continue standard monito**