

Machine Balancing Report

Single-Plane Method

Date: Feb 24, 2023 10:12:19 AM

Company:

Machine ID: 113744

Technician: Eric

Balancing Data and Results:

(1) Original Imbalance: **0.6060 ips** \angle **80°**

Trial Weight: **1.00 grs** \angle **240**

(2) Vibration w/Trial Weight **0.7510 ips** \angle **100°**

Correction Weight: **2.20 grs** \angle **352**

(3) Vibration after Correction: **0.0314 ips** \angle **273°**

Trim Weight: **0.11 grs** \angle **184**

Trial Weight Radius: **82.00 mm**

Correction Weight Radius: **82.00 mm**

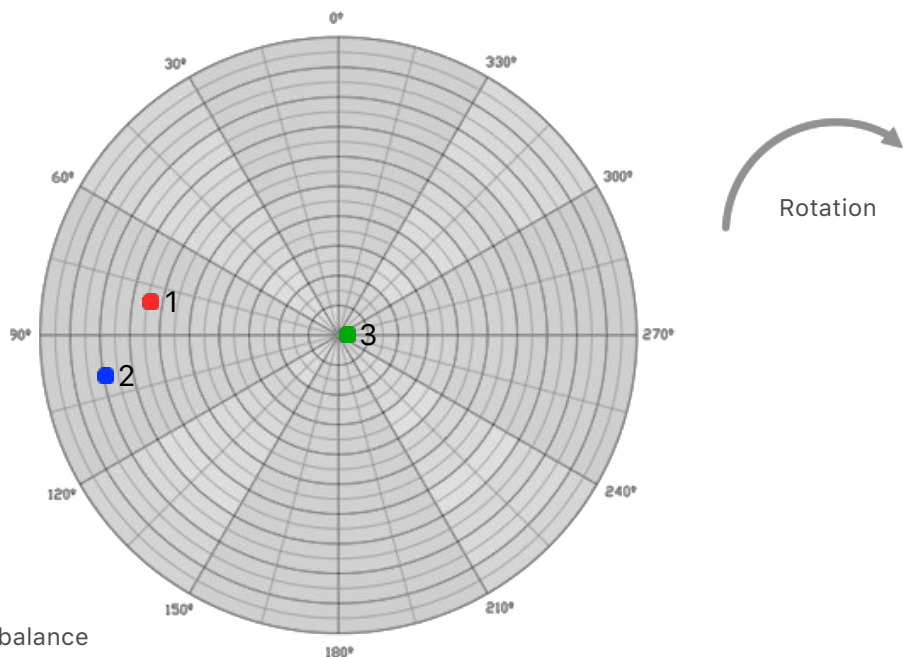
Rotor Weight: **0.84 Kg**

Rotor Balancing Speed: **12000 RPM**

Machine Threshold: **0.0030 ips**

Trial Weight was removed? **YES**

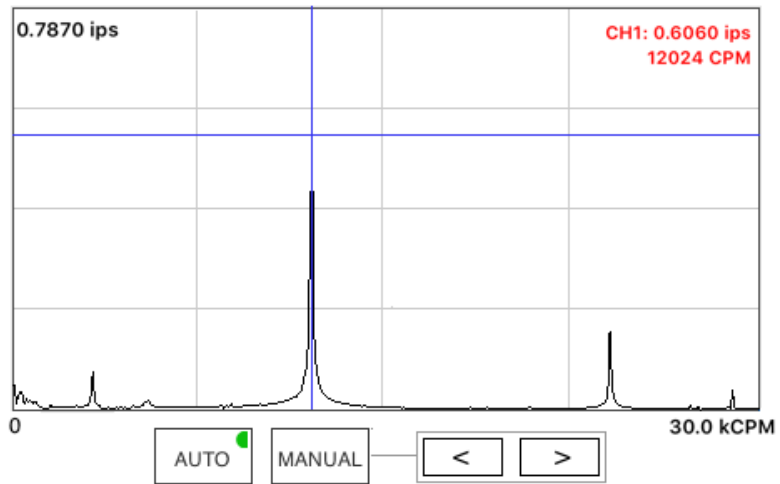
Notes: NA



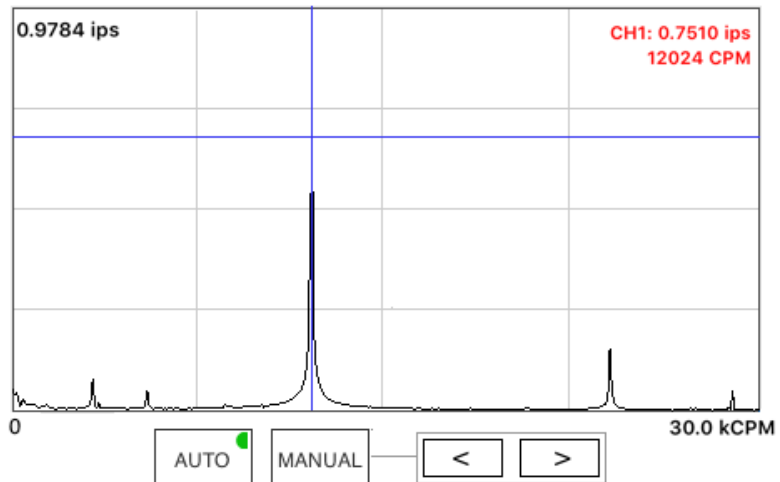
- (1) Original Imbalance
- (2) Vibration with Trial Weight
- (3) Vibration after Correction Weight

Signature:

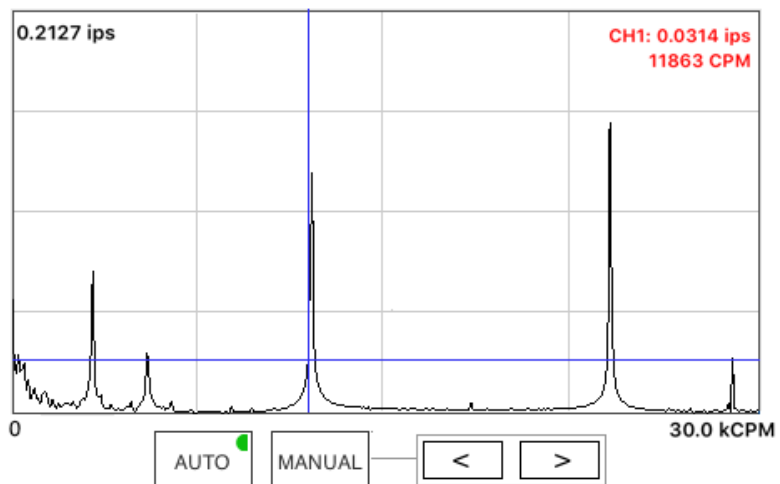
1. Original Vibration Spectrum



2. Vibration with Trial Weight Spectrum



3. Vibration after Correction Spectrum



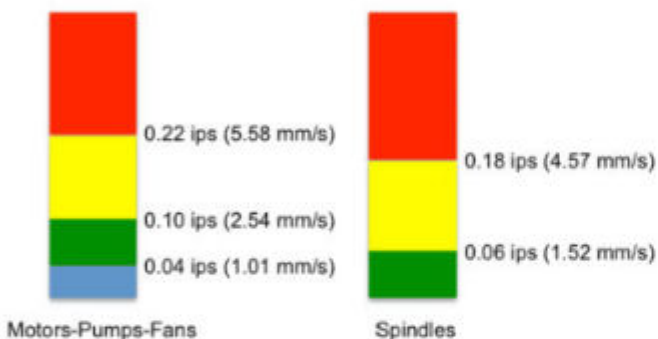
GTI-220 Spindle Balancing System



Spindle Vibration Reference Chart



Vibration Severity in Velocity



Vibration Severity in Acceleration

