



P-HTR3

PRODUCT DATA SHEET

1/1/23

P-HTR3 (PETROCHEM - HIGH TEMPERATURE RETARDER 3)

TECHNICAL DATA

- P-HTR3 is a powdered high temperature retarder for use in cement slurries from 200 - 400°F.
- P-HTR3 can be dry blended or dispersed in the mix water to provide uniform distribution throughout the cement slurry.

PROPERTIES

- Appearance: Light Brown (Powder)
- Specific Gravity: 1.98
- Temperature Range: 200 - 400°F.

RECOMMENDED TREATMENT

- P-HTR3 is used at a concentration of approximately 1.0 - 2.0 % BWOC.
- Specific thickening time data for any given cement slurry design must be confirmed in an API laboratory test with the actual cement, mix water and other additives (prior to the cement job being pumped).

PACKAGING

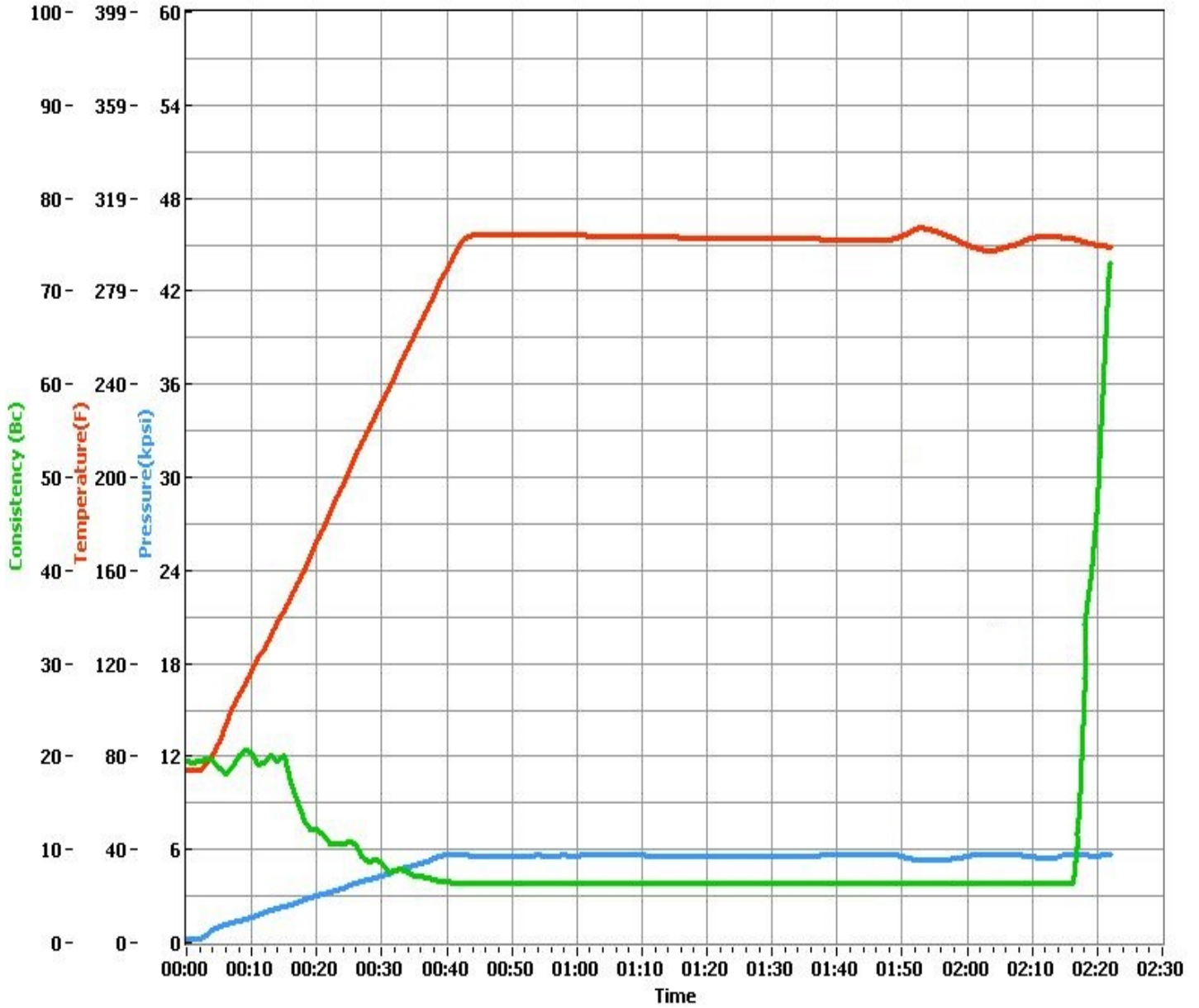
- P-HTR3 is packaged in 40x50 lb. Sacks per Pallet.

SAFETY

- Read the SDS before use.

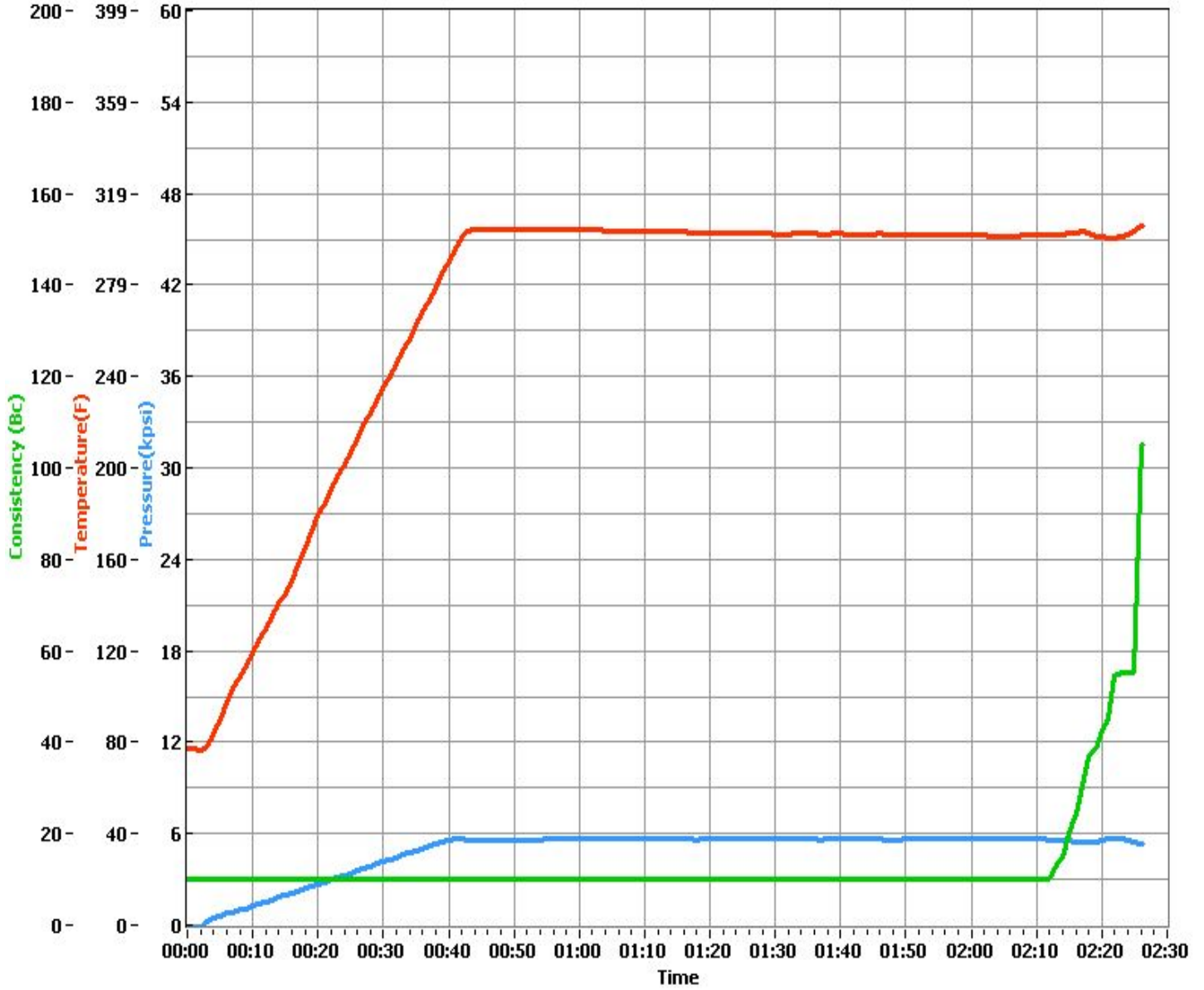


Class H + 35% Silica + 0.45% P-F400 + 0.55% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4 ppg / 300 Deg F / 3000 psi / Thickening Time = 2:21



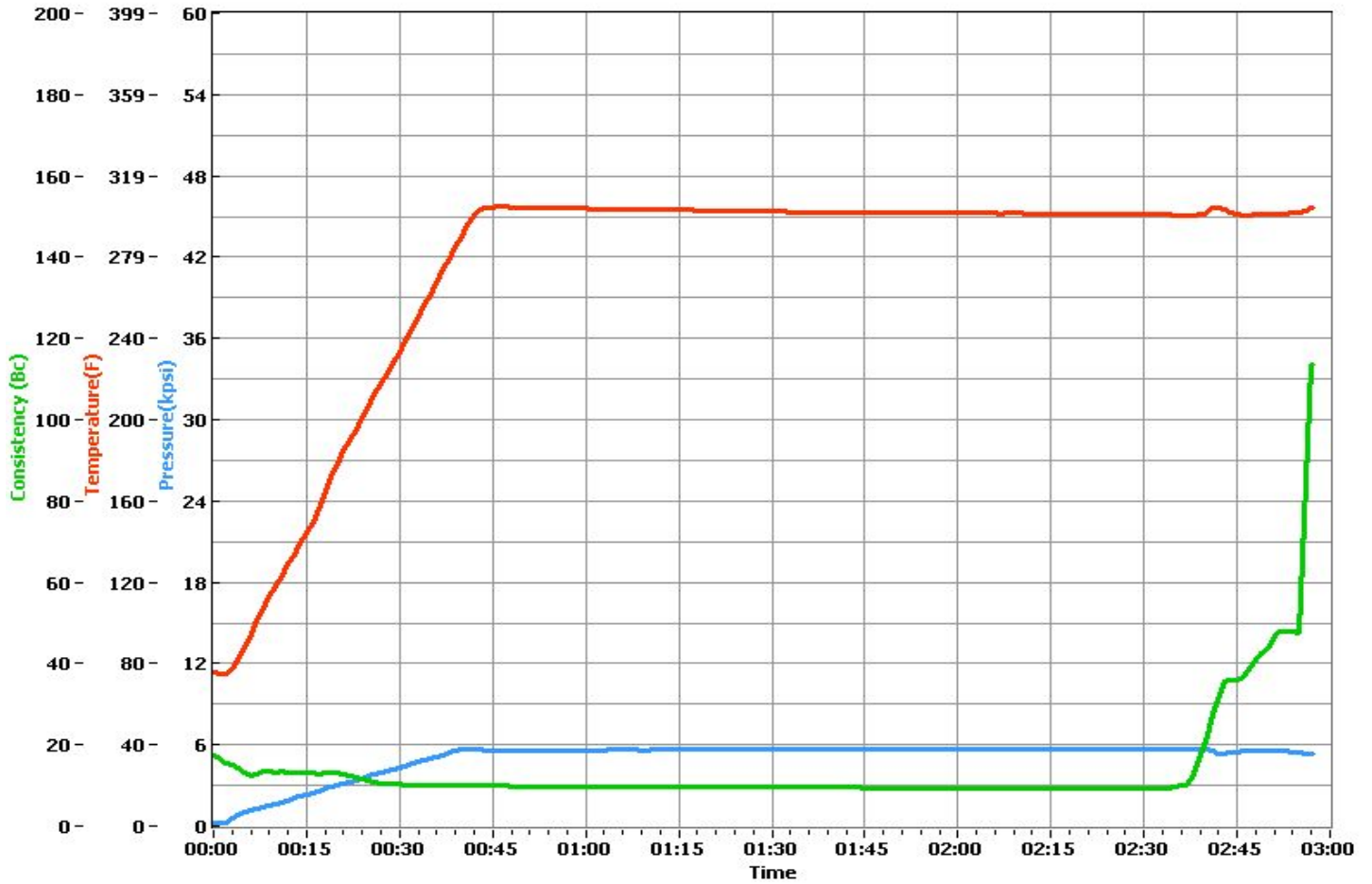


Class H + 35% Silica + 0.45% P-F400 + 0.6% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4 ppg / 300 Deg F / 3000 psi / Thickening Time = 2:26



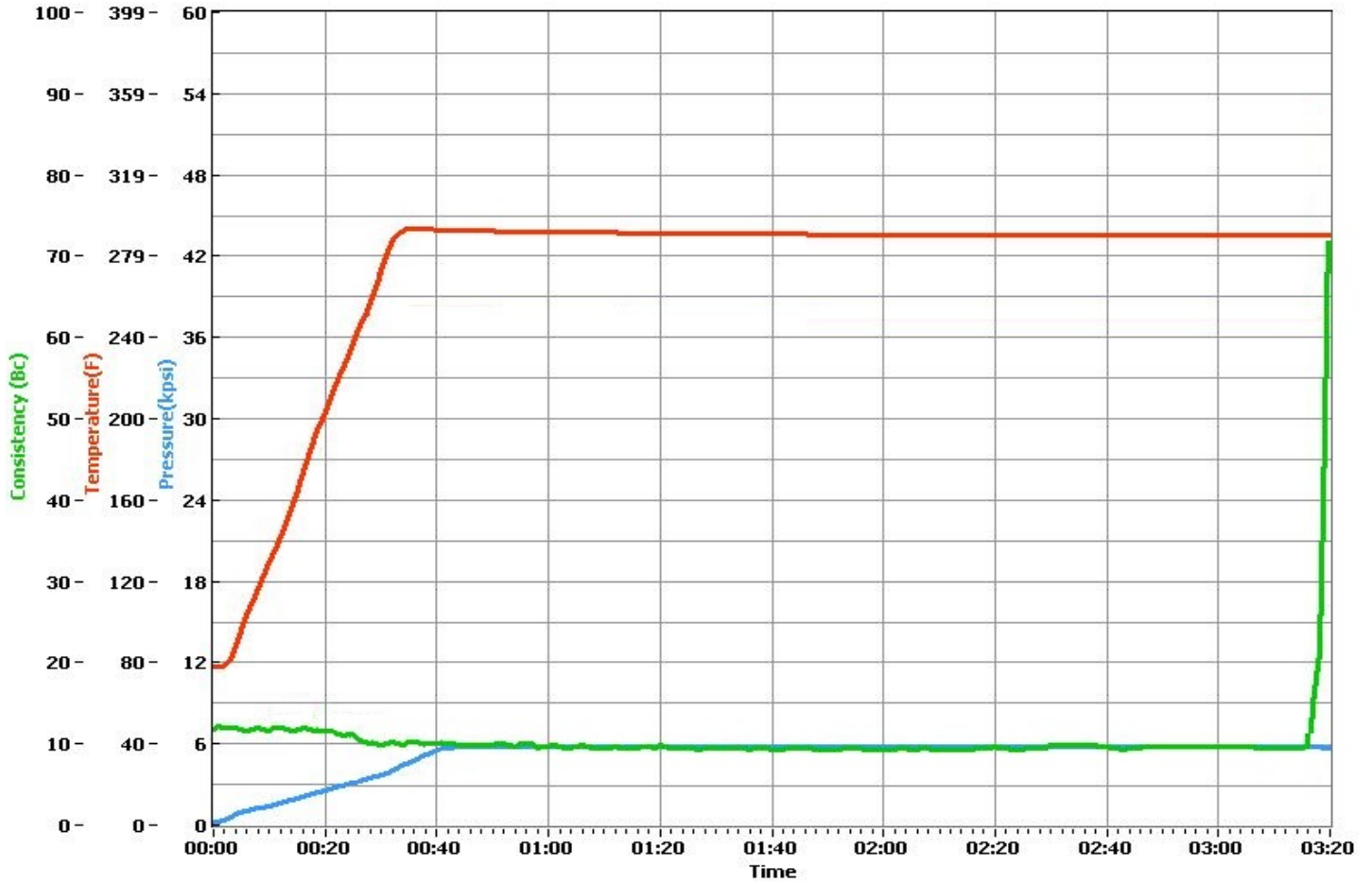


Class H + 35% Silica + 0.45% P-F400 + 0.7% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4 ppg / 300 Deg F / 3000 psi / Thickening Time = 2:54



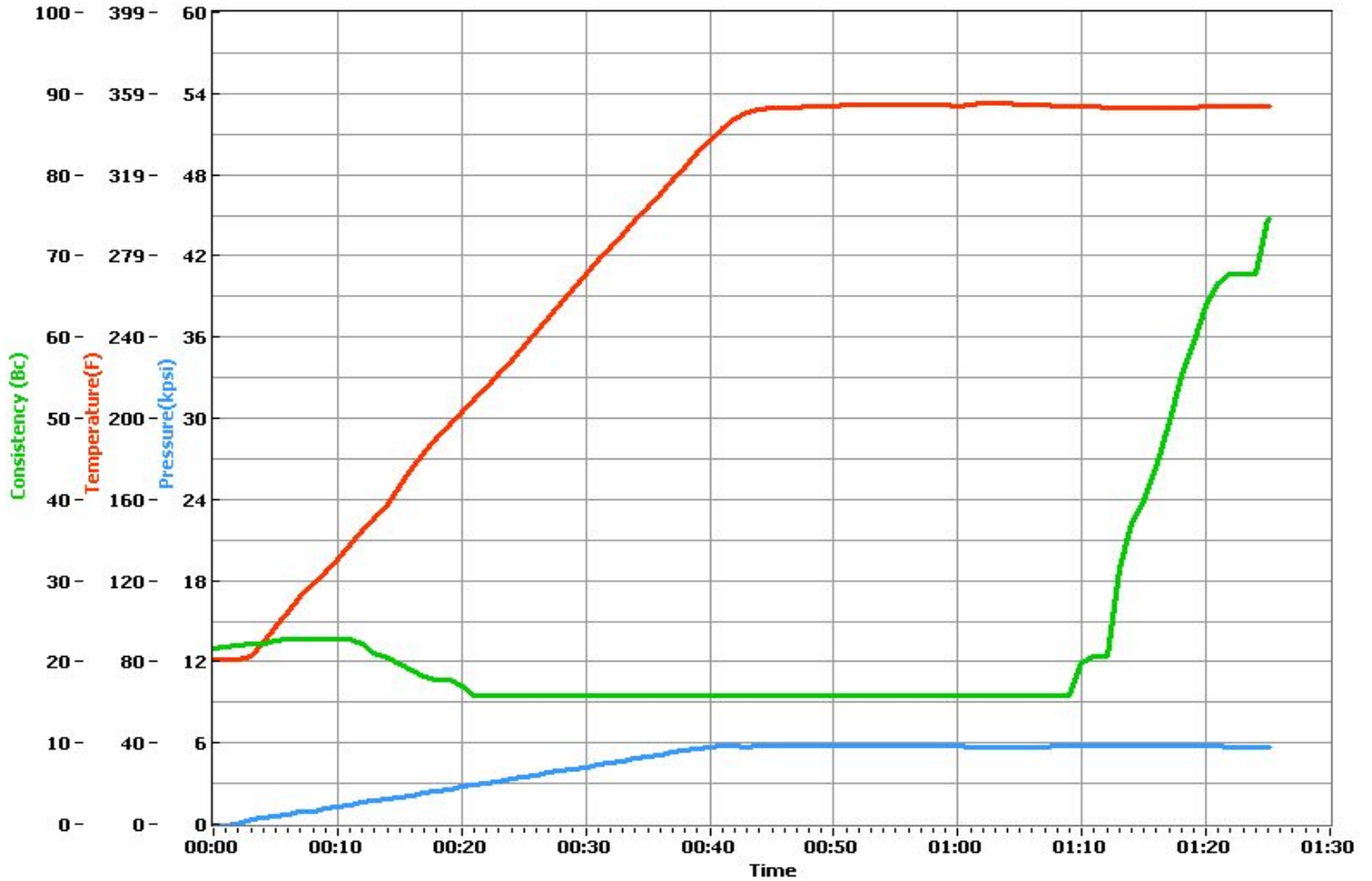


Class H + 35% Silica + 0.45% P-F400 + 0.8% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4 ppg / 300 Deg F / 3000 psi / Thickening Time = 3:20



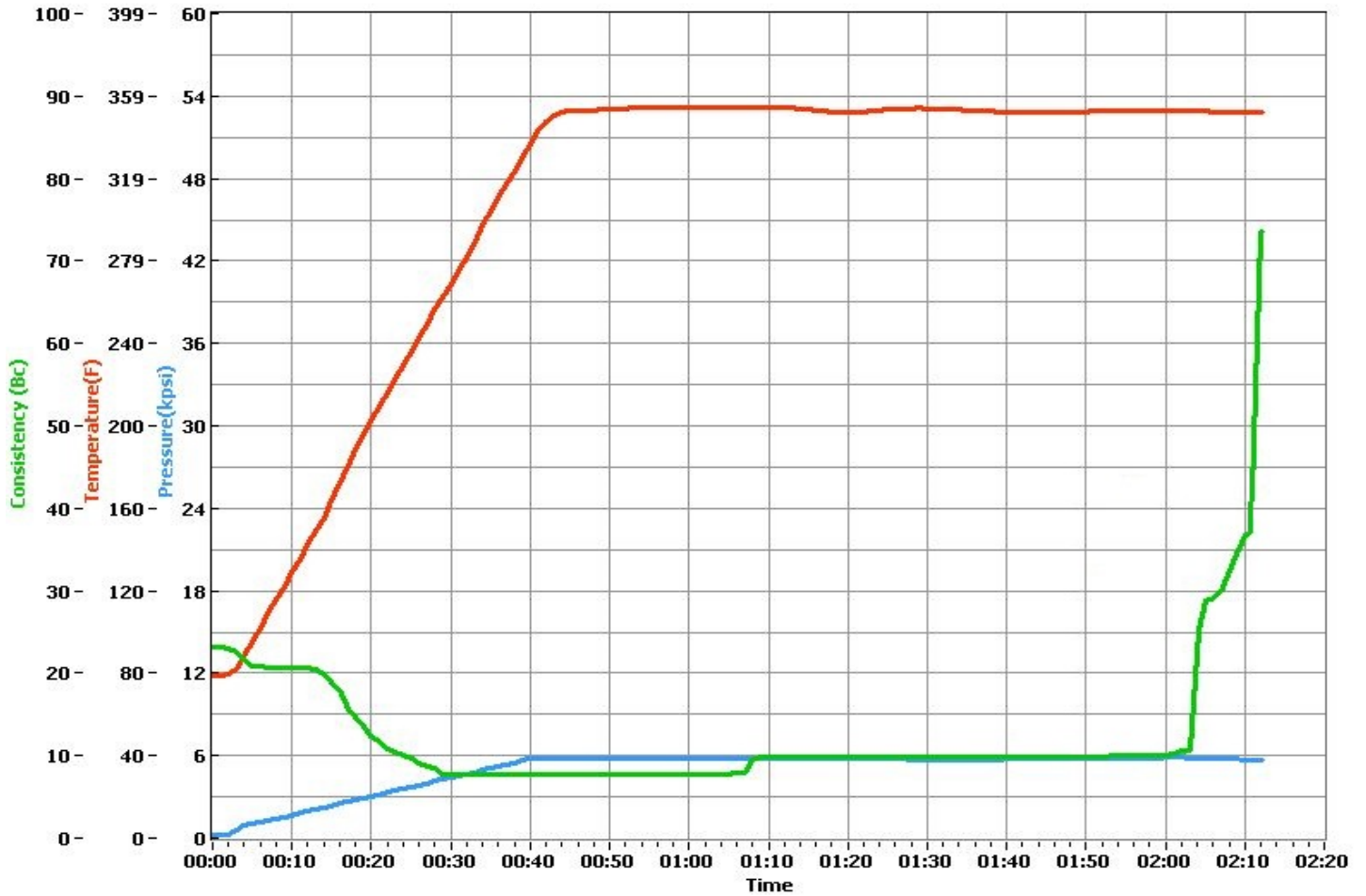


Class H + 35% Silica + 0.45% P-F400 + 0.7% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4 ppg / 350 Deg F / 5500 psi / Thickening Time = 1:21



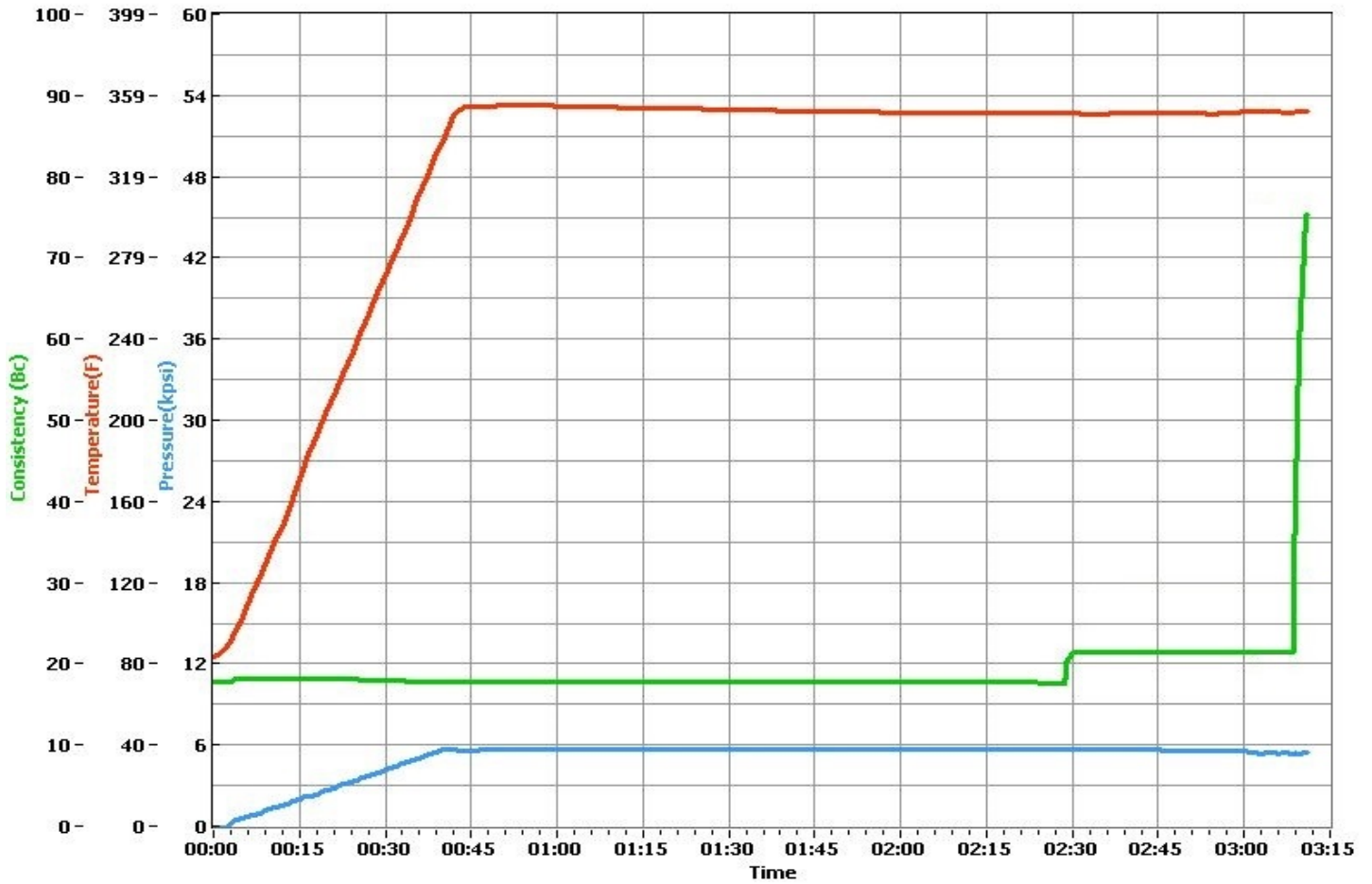


Class H + 35% Silica + 0.45% P-F400 + 0.8% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4 ppg / 350 Deg F / 5500 psi / Thickening Time = 2:13





Class H + 35% Silica + 0.45% P-F400 + 0.9% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4ppg / 350 Deg F / 5500 psi / Thickening Time = 3:11





Class H + 35% Silica + 0.45% P-F400 + 1.0% P-HTR3 + 0.4% P-ASA + 0.1% P-NFP
15.4ppg / 350 Deg F / 5500 psi / Thickening Time = 5:07

