

Hi-Vis Dials



Customer:

A Physical Plant located in the Mid-Western U.S.

Background:

After calibrating a few gas flowmeters from the plant, K&I Instruments's owner showed the super at the plant a sample of a Hi-Vis pressure gauge. The plant supervisor was immediately drawn to the bright yellow dial, oversized numbers, and large red pointer. K&I Instrument's owner explained the Hi-Vis dial was easier to see in low light environments and could be read at greater distances than standard gauges.

Problem:

Like most physical plants, there were a number of recessed areas where light was blocked by equipment, piping, etc. This created low-light areas and shadows that can make it difficult to see and read instrumentation like pressure gauges. In some cases, gauges were mounted high above head and were difficult to read from the floor.

When gauges are hard to locate and read, it makes the operator's job more difficult and increases the likelihood of human error.

Vibration and Noise in the Compressor room had the Physical Plant Super using the "liquid-filled Hi-Vis dial gauges", making it much easier to read from a distance "where we take critical measurement, they are very functional." Dave V.-Physical Plant Super



Power Generation



WITHOUT the Hi-Vis Dial

- Gauges can be misread.
- Gauges can be misidentified.
- Gauges can be overlooked.

WITH the Hi-Vis Dial



- Gauges are more easily seen in low light environments.
- Gauges are easier to read at a distance.
- Gauges are more noticeable and easier to locate.
- Safety is increased. Hi-Vis = Hi-Safety.

Solution:

After walking around the plant and evaluating the gauge's visibility in a few low-light areas, the plant supervisor was confident the Hi-Vis dials would increase gauge visibility and plant safety. The decision was made to transition critical gauges in the facility to the Hi-Vis dials.

Results:

Once the Hi-Vis dial pressure gauges were installed, the operators were now able to easily locate and read all of the pressure gauges. The plant's supervisor had successfully increased the safety in his facility and will continue to use the Hi-Vis as the standard for all new pressure gauge applications. Plans are underway to replace all existing gauges in the Cooling Towers and Chiller Plant.

Distributed by:

K&I Instruments, Inc.
Ph (844) GAS-FLOW
Fax (844) 427-3569

Louisville, KY U.S.A.
sales@k-iinstruments.com
www.k-iinstruments.com



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