

AQUA-SENSE

FROM **SBS CORPORATION**

Safer Workplace

Better Product

An AQUA-SENSE Moisture Monitoring System gives an early warning signal that water is migrating to a quench tank. This early warning, while water is still in a dissolved state, allows detection and correction to be made well ahead of what could become a very dangerous malfunction.

Monitoring moisture in your oil results in more consistent metallurgical qualities by eliminating shifts in the cooling curve. As moisture accumulates in a quench tank the cooling characteristics of any given oil can be altered significantly. The AQUA-SENSE Moisture Monitor allows the setting of acceptable moisture limits and gives audio and visual alarms when those limits are exceeded.

The AQUA-SENSE is programmed to set off an alarm when it senses a sudden increase in the water content. High and/or rapidly increasing moisture levels disrupt the controlled quench process and create potentially hazardous conditions. Early detection allows time to discover and correct sources of moisture prior to reaching dangerously high levels. Better process control and the peace of mind of a safer workplace make the installation of an AQUA-SENSE Moisture Monitor an invaluable addition to any heat treating facility.



A Safer Workplace

An undetected leak in a water-cooled heat exchanger, bearing, top cool section, or even a building roof may lead to the accumulation of water in a quench tank. The water accumulates at the bottom of the tank. When hot steel hits water accumulated in the bottom of the tank, the water will turn to

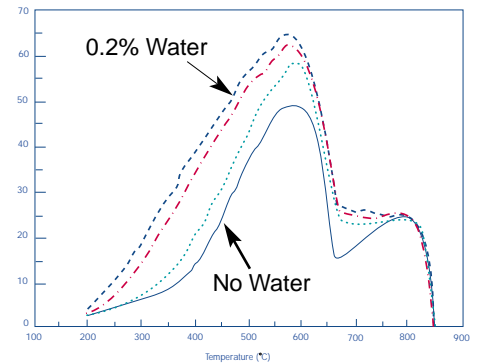
steam and drive the oil in the tank up into the heat chamber spilling fire out into the work area...a very dangerous occurrence. Early detection and correction will save the equipment, the building and even the life of the furnace operator.



Better Product

Moisture can cause dramatic shifts in the cooling curve of a given oil, resulting in unwanted variations in metallurgical results. The AQUA-SENSE system constantly monitors moisture levels and sounds an alarm and gives a visual signal indicating that predetermined limits have been exceeded.

Early detection and correction before moisture alters the cooling curve of the oil can save production and quality control problems before they begin.



AQUA-SENSE

Your Visual Indication to Peace of Mind

The AQUA-SENSE "Stacklight" provides a high visibility alert to system conditions. An amber light warns that a high rate of change in the moisture level has been detected and that water may be migrating to the tank. This signal can also be used to lock out conveyance to the quench tank and sound an alarm at a remote location. Detection and correction should be made immediately.

The red light indicates programmed limits have been exceeded and production should be stopped and corrections made. An LED readout on the face of the control panel relays the exact moisture content relative to the saturation point.



Add filtration or add to an existing filter system

All SMART FILTERS come ready to accept an AQUA-SENSE probe or any existing filtration loop can simply be adapted... cleaner oil, safer workplace, better product... isn't now the time to get started?



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SBS CORPORATION

Partners in the pursuit of perfect process control