HOLCROFT POWER GENERATOR FOR QUENCHING FURNACE

FOR SALE

Monfalcone, September 15th 2015
MAIN TECHNICAL DATA OF UNIVERSAL HOLCROFT POWER GENERATOR FOR ATMOSPHERE GAS, SUITABLE FOR QUENCHING, CEMENTATION AND STEELS’ QUENCHING

HOLCROFT LO-DEW SERIAL NUMBER 2577

BUILDING YEAR 2000

MADE IN ITALY

GOOD CONDITIONS

IN WORK TILL 2014

LAST EXTRAORDINARY MAINTENANCE YEAR 2012
PRODUCTIVITY

The generator must produce 100 N/M$^3$h of atmosphere made by 17% CO, 20% H$_2$, and 63% N$_2$ with a carbon adjustable potential from 0.1% to 1.2% and with an exit pressure of at least 300 mm H$_2$O that can feed our quenching lines. These characteristics must be kept also with an endogas production reduced to 70 N/M$^3$h.

TECHNICAL DESCRIPTION.

The generator is mainly made up of 2 parts: the primary and the secondary circuit. The most important components are the following ones:

- Carpentry structure and cladding in refractory material produced by B & W. and J.M.
- N. 3 special U skews in stainless steel for high temperature fuse centrifuged
- Refrigeration and combustible gas purification tower
- Device for feeding in a mixture of air-gas for the primary circuit
- Feeding device for the secondary circuit
- N. 2 Roots (U.S.A.) compressors with 5.5 HP motors
- N. 4 original North American HOLCROFT burners with flame sensor and starting system
- Catalyst charge for each skew
- N. 2 “K” thermocouples
- N. 2 hand manageable mixing and regulation groups for the generator, to regulate the primary gas composition and the secondary atmosphere gas
- N. 5 American original gas pressure regulators
- N. 3 coolers for atmosphere gas
- Valves, flowmeters and manostats
- N. 1 electric board assembled on the generator, inclusive of regulators, temperature sensor and PLC SIEMENS 100U-3

TECHNICAL-CONSTRUCTIVE SPECIFICATIONS.

The electrical plants of the machines have been made in conformity with the I.E.C. International Commission rules in force, updated to the order’s date.

Feeding voltage is 400 V ± 10%  frequency 50 Hz ± 0,5 % 3Ph+N+PE.
HANDBOOKS AVAILABLE: