Monsanto

FROM (NAME & LOCATION) St. Louis - General Office

DATE : July 9, 1969

SUBJECT : INDUCTION HEATING -- LARGE NEW MARKET FOR AROCLOR

REFERENCE : CAPACITORS

CC:

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The attached article from the June 30, 1969 edition of Electrical World features McLouth Steel's first large installation of induction heating of steel slabs from their new continuous wide-slab casting mill.

Such induction heating apparatus employs large banks of Aroclor capacitors and heating coils. Induction heating saves $2.53 per ton of steel, and cuts total slab heating time down to one hour, versus six hours when fuel fired furnaces are used. The process allows McLouth to better utilize the 2.5 million ton capability of their four continuous casting lines, with lower maintenance cost, improved working conditions, marked reduction of air pollution, and better quality steel.

According to a spokesman for Ajax Magnethermic Corporation, who made the induction coil, "there will be no limit to the use of induction heating for hot metal working" of ferrous or non-ferrous metals.

We have been aware of this and realize that this first installation in the steel industry used about a tank car of Aroclor 1242 for the capacitor banks.

The reason High Energy Laboratories at Malvern, Pennsylvania recently entered the Aroclor capacitor business was specifically to make induction heating capacitors. The large suppliers are General Electric, Westinghouse, and Electrical Utilities.

Shortly, to characterize our capacitor Aroclor market, we will need to use Induction Heating as a major category instead of only Power Capacitors, Motor Runs, and Ballast.

P. G. Benignus

/ecd
Enclosure

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