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PUMPER

YALE & TOWNE

THE YALE & TOWNE MANUFACTURING CO., STAMFORD, CONN.

PIPE LINES



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WITH THIS ISSUE

OF TRI-ROTOR PUMPER...

the Yale & Towne Manufacturing Company

inaugurates a new publication designed especially

for YALE pump distributors. You, and

every other YALE pump distributor, will receive

a copy of each issue. We want it to be as

helpful and interesting to you as possible.

THE TRI-ROTOR PUMPER...

will need your help. It can be the helpful,

informative bulletin it should be only if every

distributor will send in his own contribution

in the form of criticism, suggestions, and de-

tails of any unusual or significant applications

of Tri-Rotor pumps.

In this issue we show how Tri-Rotor units are

used in compounding lubricating oil. You will

know of even more interesting applications.

Tell us about them.

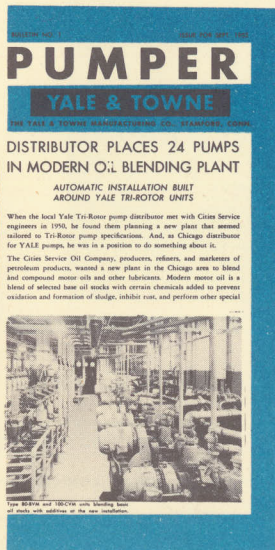
Send your criticisms, suggestions, and case

histories to

EDITOR, Tri-Rotor Pumper

Yale & Towne Manufacturing Co.

Stamford, Connecticut



DISTRIBUTOR PLACES 24 PUMPS IN MODERN OIL BLENDING PLANT

AUTOMATIC INSTALLATION BUILT AROUND YALE TRI-ROTOR UNITS

When the local Yale Tri-Rotor pump distributor met with Cities Service engineers in 1950, he found them planning a new plant that seemed tailored to Tri-Rotor pump specifications. And, as Chicago distributor for YALE pumps, he was in a position to do something about it.

The Cities Service Oil Company, producers, refiners, and marketers of petroleum products, wanted a new plant in the Chicago area to blend and compound motor oils and other lubricants. Modern motor oil is a blend of selected base oil stocks with certain chemicals added to prevent oxidation and formation of sludge, inhibit rust, and perform other special

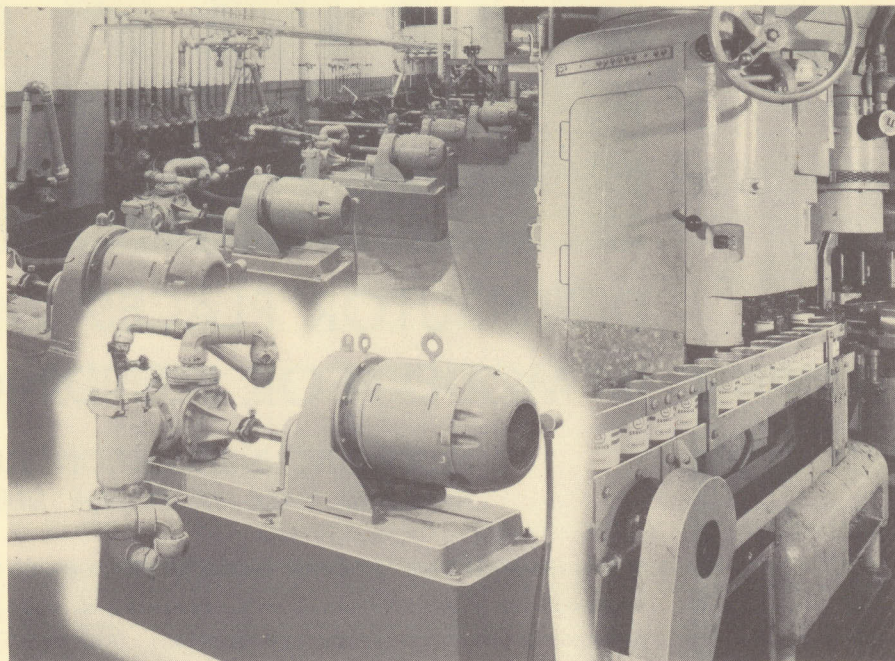


Type 80-BVM and 100-CVM units blending basic oil stocks with additives at the new installation.

TRI-ROTOR PUMPER

Line of 200-AVM units in the pump room of the Cities Service blending and compounding plant.

The solid foundation, sensible spacing, and good drainage at this 200-AVM Tri-Rotor unit is typical of the care and foresight which led Cities Service engineers to select YALE pumps.



Cans of Cities Service motor oil stream out of the world's most modern oil blending and compounding plant.

functions. Each component must be added in just the right proportion so that the finished product will meet rigid and exacting specifications.

This placed the greatest burden on the pumping equipment, which must form the heart of a blending operation. Each pump must be capable of handling all of the various petroleum products and chemicals which are the raw materials in such a plant. As the set-up would be changed from one lot to the next, each pump must be able to meet a wide range of handling conditions.

Furthermore, once the pumps have been started, they must move all the liquid for each lot without further adjustment.

The distributor offered as the key to this complex situation the exclusive use of YALE Tri-Rotor pumps in three sizes to meet all the needs of the new blending plant. Cities Service agreed. They selected seven type 80-BVM units, seven type 100-CVM, and ten type 200-AVM. Although automatic volume controls were important in every case, manual volume control

regulation was specified where additional adjustment was necessary. The advantage of standardization in a plant where maintenance is the major labor cost is obvious.

In placing 24 YALE Tri-Rotor units in the Cities Service blending plant, the Yale distributor helped one of his customers build the most modern installation of its kind in the world. Now, more than a year and a half of continuous operation has proven the wisdom of placing Tri-Rotor pumps in the most difficult pumping situations.

YALE & TOWNE