

The IMO Pump can be operated at motor and turbine speeds. It is ideal for direct connection and integral mounting. Excepting for the flow and vaporization characteristics of the fluid being pumped, there's practically no limit to the speed at which an IMO Pump can be operated.

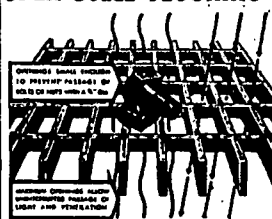
IMO Pumps can be furnished for practically any capacity and pressure required for oil, hydraulic-control fluids and other liquids.



Send for Bulletin 1-147P

IMO PUMP DIVISION OF
DE LAVAL STEAM TURBINE CO.
DAYTON 2, OHIO

TRI-LOK RECTANGULAR OPEN STEEL FLOORING



Tri-Lok strength is obtained by stress action through twisted cross-bar, curved in opposite directions at each bearing-bar. Standard openings in Tri-Lok Rectangular Steel Flooring are 1" x 3 1/4"—other size openings can be supplied as required.

Diagonal, or Super-Safety U-type Flooring, and stair treads of all types, are available. Bulletin KP 1140 describes the construction features of Tri-Lok Open Steel Flooring.

DRAVO CORPORATION

National Distributor for the
Tri-Lok Company

Dravo Bldg., Pittsburgh 23, Pa.

Sales Representatives
in Principal Cities



Nicholson Expansion Steam Traps Solve ...

"SLOW HEAT-UP"

Due to Air Binding



MANY APPLICATIONS
This widely used Nicholson trap is applicable to all equipment using steam or hot water for heat or power, for example:
Radiators
Separators
Paper Machinery
Pipe Cools
Kettles
Railway Coaches
Dry Kilns
Vulcanizers
Switch Heaters
Laundries
Plastic Molding
Presses

Among the features of this simple and widely adaptable trap is its positive action. Closes tight when steam is in trap, opens wide when cold, rendering it proof against freezing and air-binding. Adjustable valve for passing condensate at any desired temperature. Pressures: 0 to 250 lbs. without change of valve or seat. Length: 18" to 40".

TRAPS FOR EVERY PURPOSE—power, heat, process. Weight and piston-operated traps for steam, air and gasoline pressures to 1500 lbs.; thermostatic steam traps, pressures to 225 lbs.; radiator traps, pressures to 15 lbs. CATALOG 448.

W. H. NICHOLSON & CO.

125 OREGON STREET, WILKES-BARRE, PA.
Manufacturers of Steam Specialties for Over 75 Years

35 RUST PREVENTIVE COMPOUND—Dept. 19, Freedom-Valvoline Oil Co., Freedom, Pa. 11-page booklet gives general information on 11 removable rust preventive compounds.

36 PACKING—Crane Packing Co., Inc., 1000 N. Dearborn Ave., Chicago 10, Ill. 11-page bulletin contains tabulations of compound specifications, dimensional standards and data on applications, installation, plus drawings showing typical problems of O-ring usage.

37 AIR-DRYING COATING—Libon Corp., 213 W. 40th St., Chicago 1, Ill. 4-page folder describes LC-600 air-drying synthetic resin coating. Outstanding advantages are given.

MATERIALS HANDLING

38 COAL GAB DUMPER—Hoyt & Patterson, Inc., 15 Water St., Pittsburgh 23, Pa. 4-page folder discusses operation of Hoyt & Patterson Car-a-Minute car dumper.

39 PNEUMATIC CONVEYING SYSTEMS—Convey Corp., 508 Third Ave., Pittsburgh 15, Pa. 8-page bulletin No. 101 gives advantages of Convey pneumatic conveying systems. Diagrams included.

40 ELECTRIC HOISTS—Libon Hoist & Crane Co., Libon, Ohio. 2-page bulletin introduces additional models of Bob-Cat electric hoist line.

41 MATERIALS HANDLING SYSTEMS—Allen-Sherman-Hoff Co., 1515 St. Philadelphia, Pa. 8-page bulletin No. 418, entitled "Hydraulic Materials Handling Systems," describes construction of this equipment.

42 MAGNETIC SEPARATOR—Dempster & Co., 1718 E. Milwaukee St., Milwaukee 11, Wis. 11-page bulletin No. 101 describes typical applications and a table of dimensions and capacities covering the new Dimp Magna-Pulley magnetic separator.

43 RAIL BEARING MOUNTING—Dempster & Co., 1718 E. Milwaukee St., Milwaukee 11, Wis. 4-page booklet AP outlines principal requirements in developing a successful bearing mounting.

44 FLEXIBLE COUPLINGS—Ingersoll-Rand Products Div., B. F. Goodrich Co., Akron, Ohio. 4-page index contains data on all the flexible couplings for direct connected drives handled by B. F. Goodrich Co.

45 ADJUSTABLE SPEED DRIVE—Allied Electric & Engine Co., 100 Ivanhoe Rd., Cleveland 10, Ohio. 1-page bulletin No. 311 covers latest developments in all electric adjustable speed drives for ac circuits.

46 GRAMMOTORS—Link-Belt Co., 11 N. Michigan Ave., Chicago 1, Ill. 4-page catalog No. 1213 describes single and triple reduction units with integral mounted electric motor, in standard sizes of 1 to 30 hp, with an output speed range of 250 to 4 rpm.

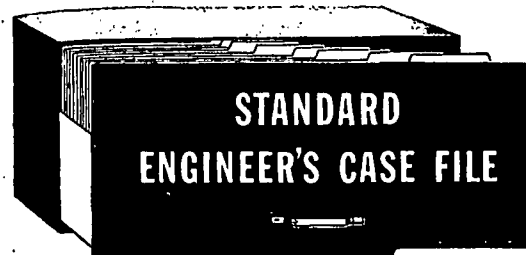
47 SPEED CHANGERS—Electric Machinery Co., Minneapolis 14, Minn. 20-page booklet No. 400-TC-10, entitled "Precision Speed Control," describes Draft Fans with the Regenerative Controlled Magnetic Drive, the principles of operation with graphs, diagrams and installation pictures.

48 BELTING LINE—Dept. 107, Bostwick Process Co., 611 Main St., Weymouth, Mass. 4-page folder gives functional scope of Lion Paw brand conveyor belt, transmission belting and safety belting.

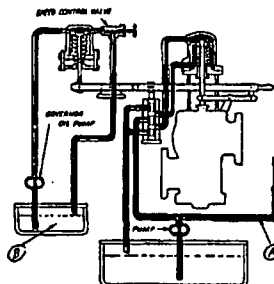
49 TIMING BELT—L. H. Gilmer, Dayton 1, Ohio. 8-page folder presents the new Offmer timing belt. This belt makes positive engagement with the pulleys.

METALS AND ALLOYS

50 STAINLESS STEEL—Duffin Dayton 1, Ohio. 8-page folder discusses the Duffin 10, a high low carbon austenitic stainless steel.



CASE 1048—STOPPING RUSTING, LACQUERING, SLUDGING IN STEAM TURBINES.



VARIABLE-SPEED OIL-RELAY GOVERNOR

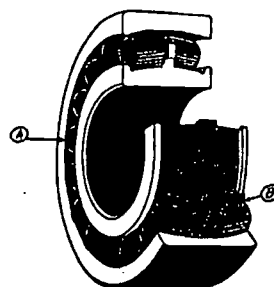
Charges of inhibited Calol OC Turbine oil in various size turbines gave service many times longer than normally obtained with straight-mineral oils. Use in large and small units ... ring-rollers, circulating oil lubricating systems and oil-actuated governor relay systems. Comes in four grades: 9, 11, 15, 19.

A. Contains highly effective corrosion inhibitor and has excellent metal-wetting ability. Keeps moisture in oil systems from contacting metal.

B. Oxidation inhibitor resists deterioration of oil and sludge formation caused by heat, moisture, air, dirt ... prevents plugging of oil lines.

Calol OC Turbine Oil in regular service showed no increase in acidity after several years ... turbine parts remained in same condition as when installed ... water and solid contaminants separated readily from oil in centrifuging or filtering systems.

CASE 1050—PROVIDING FLUID LUBRICATION IN ANTI-FRICTION BEARINGS WITHOUT LEAKAGE.



HEAVY-DUTY ROLLER BEARING

Heavy-duty industrial roller bearings started easier and ran freer when lubricated with Calol Grease BRB-340. Specially-made for all anti-friction bearings. Apply with grease gun or by packing.

Has unusual ability - softens around roller and balls in bearings to oil-like viscosity but remains firm on outer parts. Resets quickly so oil swept aside by moving bearing parts keeps firm outer seal of grease intact.

A. Soft consistency around moving parts of bearings lowers starting torque and reduces internal friction.

B. Firm grease forms seal that helps prevent leakage.

High resistance to deterioration under high speed conditions and extreme temperatures provides exceptional lubrication over extended periods of operation.

For additional information and the name of your nearest Distributor, write

STANDARD OIL COMPANY OF CALIFORNIA

223 Bush Street, San Francisco 20, California

The California Oil Company
50 Rockefeller Plaza, New York 20, N.Y.

The California Company
17th and Stout Streets, Denver 1, Colo.
Standard Oil Company of Texas
El Paso, Texas



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