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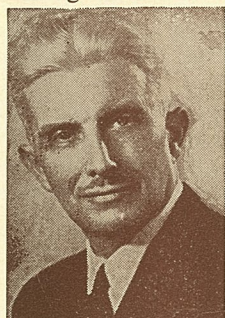
OUR HERITAGE AND RESPONSIBILITY

FREDERICK KRAISSL, JR., P. E.

President

THE KRAISSL COMPANY, INC.

Tragedy beyond the capacity of prediction or imagination was the experience of the United States citizenry during 1963. There have been evalua-



Consulting Engineer
Kraissl Associates

tions, retrospections and possible recriminations.

One possible silver lining to this dark cloud that befell us is a renewed dedication of all of us to the principles on which this country was founded, and an avowal, both in private and in public, that the sacrifices of our predecessors will not have been in vain.

This is our country. It is not what the country can do for us but what we can do to continue the forward march of this country to its destined leadership of mankind, that is of real importance. The heritage left by our forefathers to us is that of liberty. Let us accept our responsibility to see that this intangible value justifying any sacrifice, is perpetuated for those who follow after us. Let us realize that the false apparent value of security does not exist and that nothing must motivate us to trade a false value for an eternal one. Our former President had financial security and the protection of the greatest security organizations that can be provided. These did not suffice. But the eternal values of liberty and freedom remain and must be safeguarded at all costs.

This will not be accomplished by using election day to play golf, until we have voted, or Thanksgiving for a day of feasting, until we have thanked the Almighty for our country and our freedom, or Christmas to estimate what we will receive rather than what we can give in the name of the One whose birthday we celebrate, or passing on to unborn generations obligations we assume but are unwilling to defray.

Dedication to principles is a way of life. Let us not lose this concept. This is the only country I know of that was

founded on the principle of liberty and carries on its coins this statement and the slogan "In God we trust."

Let us not sacrifice the principle of liberty for the imaginary goal of security.

SELF-RELIANCE

by

ALICE L. KRAISSL, Vice-President

The leopard cannot change his spots — poor leopard! This means he must always stay in the environment which offers the greatest protection or risk annihilation.



Consultant
Kraissl Associates

Unlike the leopard, man can change his "spots", by the application of initiative and a real desire for a place in the sun — away from the protective shadow of so-called security.

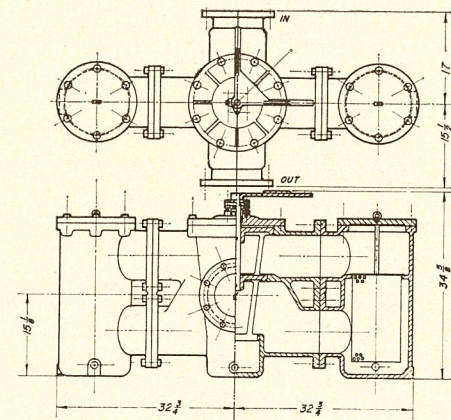
It is appalling to think that the young to middle age parents of today are a generation who have never had the opportunity to be wholly on their own, not subjected to the stifling effect of government regulations enforced in the name of security. Almost anything is weakened by too much protection. If one carefully nurtures a plant, providing warmth, moisture and nutriment, the rapid growth is interesting to observe and is of value to the grower if done on a commercial basis. Let one of the regulated requisites be missing, perhaps in the form of a cold snap or drought, and the result is quickly evident — the plant having always been well tended cannot cope with deviation from this sufficiency. People are not too different. Those who have spent years sheltered from the difficulties of life find themselves hopelessly at sea when faced with some of the stern realities. This is where character, stamina, and will, assert themselves and if possessed of these virtues an individual finds himself able to deal with circumstances he might not have dreamed possible.

The average person applying for a job today wants to know in quick succession "What is the take-home pay? How long do I have to work? How much vacation? What paid holidays? What fringe benefits?" Often the questions come so fast the interviewer has the impression he is the one being interviewed. When the rare individual applies who asks "Is there a real future for me if I apply myself?" then a jewel has been found—and he will probably be a person who really believes in his ability to make his way against any odds.

The country today is faced with a difficult problem in the matter of employment. The babies of the war years are now entering the labor market in huge numbers, and engineering achievements have resulted in automation of many processes, thereby reducing the work force required. For those with initiative and ability there will always be jobs because they are the ones who will have the quality of finding or making a place for themselves. There will be many others, though, who will be discontentedly content to sit back and proclaim loudly that society owes them "their rights", so let the government take care of them through the various social agencies until the "perfect" job comes along. They will bemoan their plight and envy others, but will make little effort to actively correct their situation.

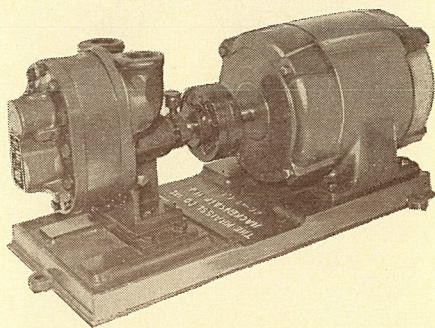
Perhaps this is a result of the softer life that has gradually been experienced over the years. What child of today's urban or suburban family is charged with the responsibility given children on the farms a generation or two ago? Today it is almost unthinkable for a child to walk a mile to school, but not so very long ago many children walked several miles to and from school, and this with various chores to be done both before and after school. Many of the graduates of the one room schools of these years came to be the men who laid the foundation for the industrial complex of our nation—and without thought or expectation of government subsidy, should their projects not have succeeded.

With the growth of urban areas the need for a child to accept responsibility in the home has been reduced or ceased to exist because parents failed to assign tasks or to insist on their



CLASS 66 SERIES DIRECT CONNECTED PUMPS

U.S. Patent No. 2,988,009



CLASS 66EMD

Our Class 66 Series pumps take over where our Class 60 Series pumps leave off.

They are specifically designed to handle oils having sufficient lubricating value to provide a lubricating film between mechanical parts that involve moving members. This includes lubricating oils and most fuel oils.

Our Class 60 Series pumps are designed to handle fuel oils up to and including 100 psig. This is not a safety limitation but an experience suggestion based on the fact that many fuel oils have very limited lubricating characteristics and the fact that the controlling longevity factor of positive displacement pumps is bearing life. We admit we are conservative and our suggestions are based on our desire to have our customers enjoy satisfaction with our products. If our Class 60 Series pumps are run at higher pressures, the pump life will be shorter due to bearing wear.

Consequently there is a twilight zone where our Class 60 Series pumps leave off and our Class 66 Series pumps take over. Both Class 60 and Class 66 Series pumps are subject to the general hydraulic laws that involve cavitation. In simple language this means that a pump should not be run faster than the pumpage will fill the displacement chamber under the differential pressure created while the pump is in operation.

Practical experience has indicated that sizes larger than our Class 66-7 should not be run faster than 600 rpm. This places our larger sizes in the reduction drive category since it has been our experience that slow speed motors in this speed range are not practical for most applications.

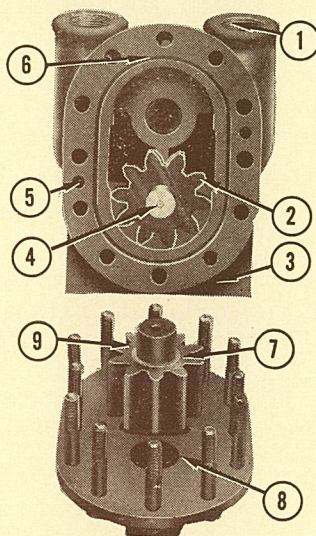
We have, therefore, limited the direct connected Class 66 Series to sizes smaller than the Class 66-9.

IMPORTANT DESIGN FEATURES

1. Ports in end plate provide easy access to pump interior and parts

replacement without piping disassembly.

2. Pyramid tooth form provides maximum gear strength.
3. Flange mounting on end plates can be supplied for mounting with a machine drive.
4. Integrated Rotor and shaft provides strong assembly with no weakening due to internal keys or pins.
5. Dowel pin alignment facilitates accurate assembly with proper working clearances.
6. Grooves vented to pump suction eliminate gaskets and insure face and end plate sealing.
7. Bearings are assembled close to load to minimize shaft deflection. Provision is made for renewal of lubricant.
8. Combination bearing and shaft seal minimizes damage from abrasive liquid.
9. Hardened idler increases pump life.
10. Interchangeable return seal (not shown) vents stuffing box to pump suction to minimize chance of shaft leakage while also providing simple change of rotation in the field.



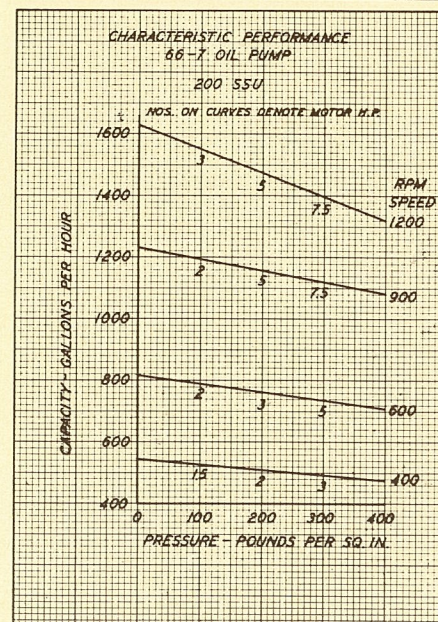
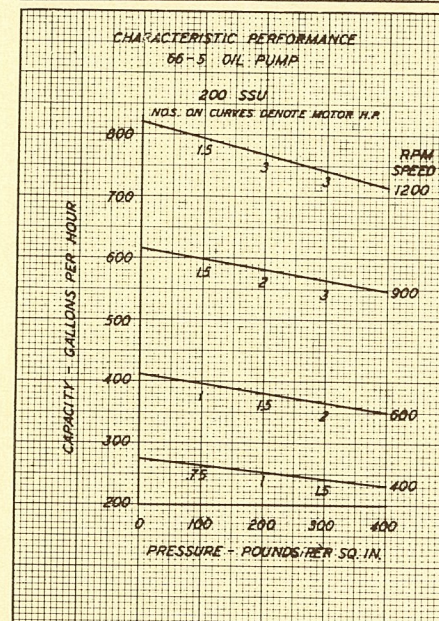
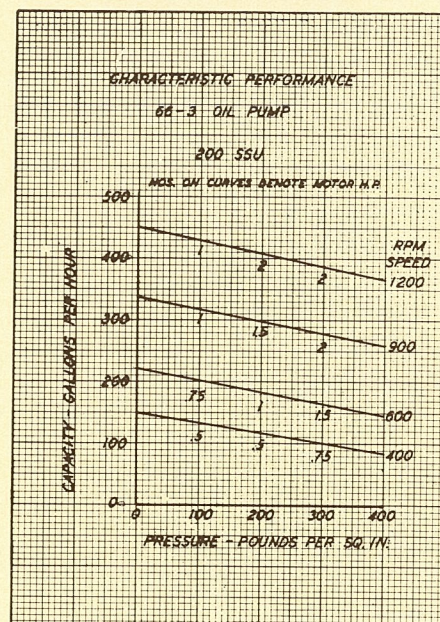
NOMENCLATURE

Class 66 Series Pumps are classified under our additive code. Thus, the 66-3 Pump head with foot is designated 66-3E. The reduction drive assembly is designated by the letters RD or with S bed plate SRD. The 66-3 reduction drive unit is designated 66-3ESRD, and the 66-3E pump head with coupling and base plate for motor drive is coded 66-3EMD.

CHARACTERISTIC CURVES

DATA BASED ON APPROXIMATE OIL VISCOSITY OF 200 SSU. SUGGESTED HORSEPOWER WILL VARY WITH VISCOSITY OF OIL.

SIZES 66-3 TO 66-7



SALES REPRESENTATION

HOME OFFICE

We have reserved the areas of Connecticut, Delaware, Metropolitan New York, including the Hudson valley, Long Island, New Jersey and eastern Pennsylvania less Philadelphia District for coverage by Kraissl Company personnel.

Northeast Region

John S. Stone
P. O. Box 247, Holcomb, N. Y.
Williams Bros., Inc., 70 Commercial St.,
Portland 3, Me.

Eastern Region

Boston-Cooper Company
95 Holland Street
Somerville, Mass.
Valley Equipment Company
4105 Northern Pike, Monroeville, Pa.
J. W. Pearson Co., Box 282
Hatboro, Penn.
Shanklin Company
330 East 25th St., Baltimore, Md.

Southeast Region

Power Equipment Co.
1307 West Main St., Richmond, Va.
Dillon Supply Company—Main Office
Raleigh, N. C.
Dillon Supply Company
Durham, No. Carolina
Dillon Supply Company
Rocky Mt., No. Carolina
Dillon Supply Company
Goldsboro, North Carolina
Dillon Supply Company
Charlotte, No. Carolina
Boiler Supply Company, Inc.
490 Craighead Street, Nashville, Tenn.
2006 Sutherland Ave., Knoxville, Tenn.
Applied Engineering Co., Inc.
P. O. Box 506, Orangeburg, S. C.
Spotswood Parker & Co.
313 Techwood Drive, Atlanta, Ga.
T. W. McCuiston
540 S. W. 69th Ave., Miami, Fla.

North Central Region

Charles R. Davis
2970 W. Grand Blvd., Detroit, Mich.
Hetler Equipment Co.
1904 Clyde Park Ave. S W
Grand Rapids, Mich.

Central Region

W. G. Taylor Co.
1900 Euclid Bldg., Cleveland, Ohio
The Jordan Engineering Co.
7401 Shewango Way, Cincinnati 43, Ohio
T. A. Heidenreich Co., Inc.
5250 Keystone Ct., Indianapolis 20, Ind.
Lowden & Company
3404 N. Harlem Ave., Chicago, Ill.
A. K. Howell Co.
1001 Bellevue Ave., St. Louis, Mo.

South Central Region

Creole Engineering Co.
2617 Banks Street, New Orleans, La.
Albert Sterling & Assoc., Inc.
2611 Crocker St.
Houston, Texas
I. P. Newby & Assoc.
4431 Maple Ave.
Dallas 9, Texas

Northwest Region

Bruce P. Rutherford Co.
1954 First Avenue South, Seattle, Wash.

Western Region

A. C. Cope Co.
435 Bryant Street, San Francisco, Cal.
Power Engineering Co.
1806 South State St., Salt Lake City, Utah
Thermo Tech Products Co.
1400 So. Lipan
Denver 23, Colorado

Southwest Region

Wagner Hydraulic Equip. Co.
10814 Santa Monica Blvd.
Los Angeles, California

Canada—Ontario and Quebec Provinces

Kirk Equipment Ltd.
1460 Bishop Street
Montreal, Quebec, Canada

Canada—British Columbia Province

Fred McMeans & Co.
1608 West 5th Avenue
Vancouver, B. C., Canada



FRUSTRATED WIFE

The lady has just discovered a letter which she asked her husband to mail six months ago, in the pocket of his jacket on which he asked her to sew a button.



"Just a routine check, Sir, to see if the service is satisfactory".

THE KRAISSL COMPANY

INCORPORATED

HACKENSACK, NEW JERSEY

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YOUR
COPY
OF

**KRAISSL
QUARTERLY**

BULK RATE

U. S. POSTAGE

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Hackensack, N. J.