The "Guide." It makes fire-resistant fluids easier to select.



Our new 36-page "guide to fire-resistant hydraulic fluids" contains all the facts and figures you need to buy hydraulic fluids intelligently.

In it, you'll find physical property charts, applications information, viscosity/temperature charts, pump test results, change-over and conversion data, seals and packing information, recommended filters and hoses, and reclamation data.

The guide will help you whether you want to "step-up" to improve performance or "step-down" to reduce costs.

Take your choice.

Monsanto offers a wide range of fire-resistant hydraulic fluids. They come in three types.

The "blue" Pydraul® E series are our top-of-the-line straight synthetic fluids. They offer premium performance and fire-resistant properties.

The "green" Pydraul C series are our synthetic blends. They offer excellent fluid properties at a lower cost.

The "red" Santosafe® W/G series are our water/glycols, the most economical fluids in the line.

Man in the white hat.

With one exception, everything you need to make the optimum hydraulic fluid choice can be found in the "guide."

The one exception is the Monsanto technical representative, the "man in the white hat."

After you have made the preliminary selection, your Monsanto representative will be glad to give you the benefit of our broad experience with hydraulic fluid applications.

He will double-check your selection and suggest alternatives in case you are uncertain about the best series or type for your machines.

If problems develop.

Sometimes, in spite of everything, unexpected problems occur. If so, Monsanto can help. In St. Louis, we have a laboratory and testing facility for fire-resistant hydraulic fluids second to none.

If problems develop, we can simulate plant conditions on equipment such as our "Green Monster," a huge pump test stand for carrying out a variety of different tests under varying conditions.

Equipment like the Green Monster can help pinpoint the problem in your application. And once he knows the problem, your representative can suggest an alternate fluid.

What it all adds up to.

The Guide, the White Hat and the in-depth Technical Service: Three big reasons for doing your fire-resistant hydraulic fluid business with Monsanto.



Monsanto Company
Dept. B2S
800 N. Lindbergh Blvd.
St. Louis, Mo. 63166

Please send me a copy of your 36-page "guide to fire-resistant hydraulic fluids."

Name_____

Company_____

Address_____

City and State_____ Zip_____

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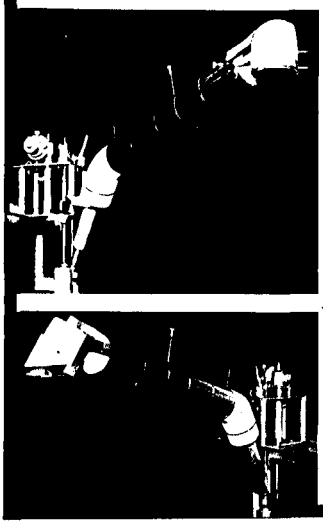
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ONE PART OF OUR STORY



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KRAMER ON FINISHING

Which media should I use?

. . . filled plastic

This is the second of the series describing the characteristics of the various media. Last month we discussed ceramic media; this month we will take a look at filled plastics.

These media are a combination of a plastic resin and an abrasive. All of the performance characteristics are determined by the type of abrasive, its grain size and the quantity of abrasive. In general, these materials are used for the softer, non-ferrous metals.

Plastic media has about half the weight of ceramic materials and the plastic bonding material is, of course, much softer. These properties help produce very smooth surfaces with no peening or rolling over of burrs and edges, or damage to threaded parts.

The most aggressive plastic is heavily loaded with aluminum oxide grain. The wear rate is fast when compared with ceramic media and the rate of cut is not as fast. The finish produced is a deep uniform matte.

Another group of plastic media are filled with quartz. This material is not quite as aggressive as the aluminum oxide but lasts longer and leaves a cleaner brighter finish. It is especially useful if you must avoid chemical contamination. Both the aluminum oxide and the quartz filled media can be run with only a cleaning compound. They are not aided by adding abrasive to the run, nor can they be glazed to make them polish as with ceramics.

The newest plastic media is the ultra fine cutting plastic. This is used primarily as a pre-plate finisher for die castings. The scratch pattern is so fine that by the time the copper and nickel are plated on, the pattern is filled and with chromium plating a finish which approaches hand buffing results. This media has a very fine aluminum oxide grain. It will not remove heavy flash or pit marks. Imperfections must be removed first by using a coarser, more aggressive material.

Next issue will discuss steel shot and random media.

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