

Hydraulic Filter Testing Done Right

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ABSTRACT

In the world of filtration we are always trying to improve our knowledge and get better results. In the world of sports when a team is in trouble the coaches always tell the players, that getting back to the basics is where they will find their game.

We need to look at filtration and contamination testing the same way. There are many changes going on in the industry today with test standards. These changes may lead to many end users and distributors getting confused by the basics. People today are putting their own variations on test standards and results, whether they are ISO, NFPA, or SAE standards. One such example is using obsolete ACFTD with calibration or the sizes associated with ACFTD. When using ACFTD sizes there is simply no technical justification for using them. This paper presents an introduction to basic testing procedures of ISO/TC 131/SC6 fluid power standards as they relate to filtration elements and contamination control. The main standards we will discuss are ISO 11171, ISO 11943, ISO 4406, and ISO 16889. It will discuss the basics of each standard and give you an insight to how the standard should be correctly used.

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