



AEROSPACE RECOMMENDED PRACTICE	ARP598™	REV. D
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Aerospace Microscopic Sizing and Counting of Particulate Contamination for Fluid Power Systems		

RATIONALE

This document is Cancelled and superseded by AS598.

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FOREWORD

Of the methods available for determining the level of particulate contamination in aerospace hydraulic fluids the most predominant have been gravimetric, microscopic counting (this document), automatic particle counting and membrane.

Gravimetric analysis results cannot be related to any specific particle count or related contamination class. Automatic Particle Counters (APCs) calibrated with AC fine test dust provide results classes compatible with this document; however AC test dust is no longer manufactured and use of this calibration procedure is being phased out. Membrane standards can be made compatible to both the above. Results obtained by each of these three methods from identical bottled samples may not be equivalent due to individual idiosyncrasies in each technique. Other APC variants, which will be coming into increased use, are calibrations using new ISO test dusts, on-line counting systems and portable APCs. Current results indicate these will not be compatible with this document.

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