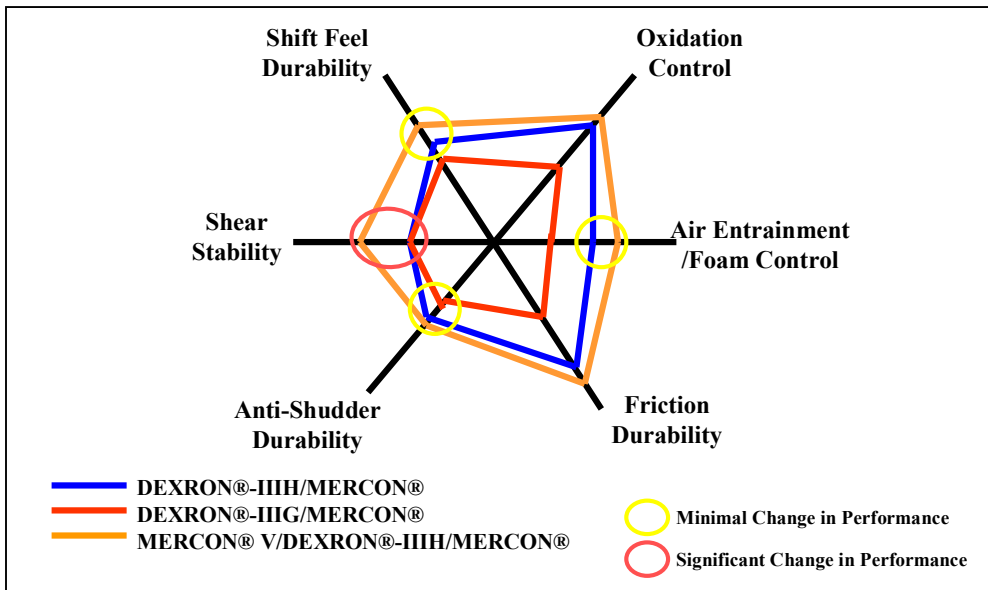


## **DEXRON®-IIIH vs MERCON®-V** **(or ATF DX-III vs ATF Synthetic)**

Penrite ATF DX-III is now approved against the new DEXRON®-IIIH specification (refer Technical Bulletin 43). At that time the advances in oil drain life and durability were explained, but it did leave a question as where ATF Synthetic stood in relation to this new specification.

We are pleased to announce that ATF Synthetic now meets the “H” specification.

That then raises the question of how ATF Synthetic’s Ford MERCON®-V performance level compares to ATF DX-III. Again, the easiest way is via a spider chart, which is below.



As can be seen ATF Synthetic (the orange line) is superior in every performance aspect, but in particular, it’s shear stability. This particular aspect is what makes it so suitable for use in European automatic transmissions, where shear stability is paramount. It was this very issue that stopped many European manufacturers from accepting DEXRON®-IIE and DEXRON®-III fluids in their transmissions and why DEXRON®-IID (ATF DX-II) is still specified in many.

The MERCON® referred above with no roman numeral is the old MERCON® -IV specification that is met by ATF DX-III and ATF DX-II.