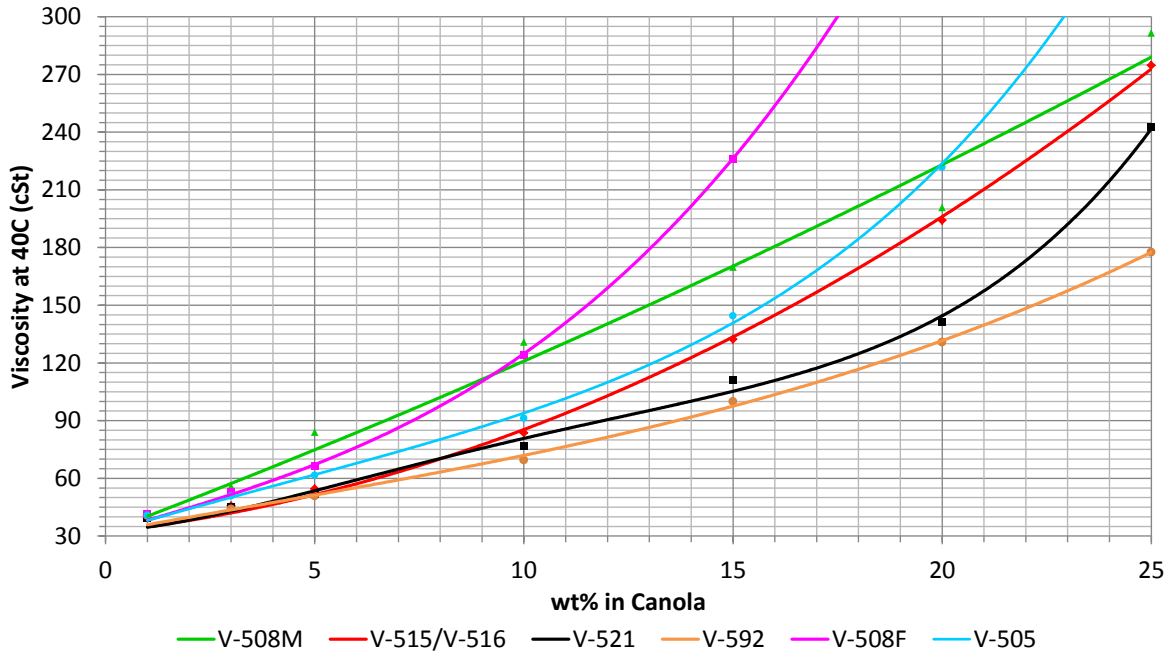


Typical Biobased Thickener Performance



The treat levels shown above are starting values only and are not to be construed as product specifications. The treat level for a particular application must be determined by the end user.

Thickener Selection Guide

FUNCTIONAL V-505 is a very low PSSI (15%), clear thickener for biobased fluids. **FUNCTIONAL V-508F** and **FUNCTIONAL V-508M** are low PSSI (29%), LuSC listed thickeners. **FUNCTIONAL V-508F** is most suited for use in esters while **FUNCTIONAL V-515** is recommended in vegetable oils and will provide some tack at higher treat rates. **FUNCTIONAL V-516** is recommended in formulations based on high-oleic vegetable oils where additional oxidative stability is required. **FUNCTIONAL V-521** is recommended in applications where improved low temperature performance (pour point) is required. **FUNCTIONAL V-592** is recommended for use as a combination thickener and tackifier in synthetic esters.