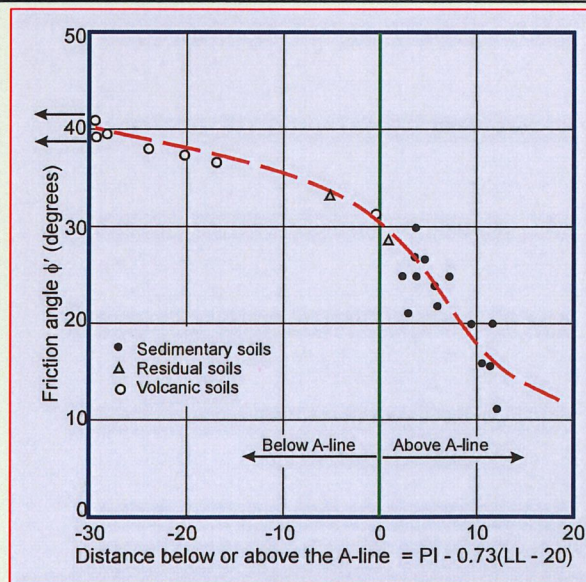
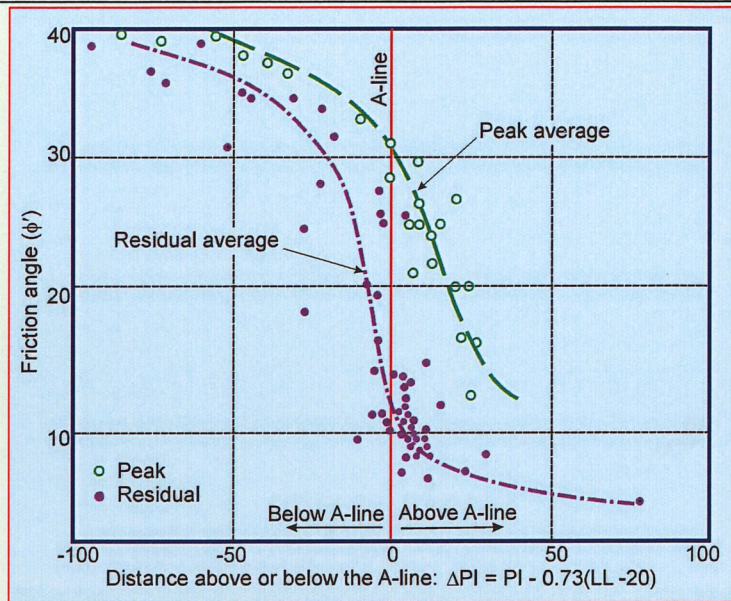


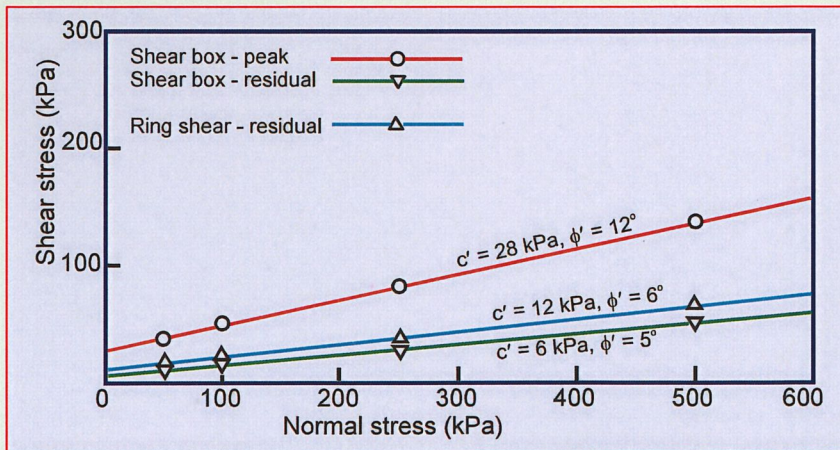
**Plasticity Chart - Position in Relation to the A-line – Soils lying below the A-line generally have good engineering properties, those lying above it have poor engineering properties**  
**The Plasticity Chart should be used as a means for evaluating the properties of soils, rather than for classifying them.**



**Effective strength parameters: There are various correlations with P.I. or L.L.**  
**For residual soils, it appear a more useful correlation is with distance above or below the A-line on the Plasticity Chart**



**Friction angles in relation to the A-line on the Plasticity Chart**



**Shear box and ring shear tests on a weathered shale soil**