

Use

Corn oil is used for cooking, also as a salad oil and in the manufacturing of margarine.

METHOD 1

Test Equipment

Instrument:	Viscometer or Rheometer
Torque Range:	LV
Spindle:	YULA-15E
Accessories:	Enhanced UL Adapter, TC-550AP Programmable Bath
Speed:	2, 4, 6, 8 and 10 RPM



Test Method

The Enhanced UL Adapter™ may be used with various Brookfield Viscometers or Rheometers. In our example, we used a Brookfield DV3TLV Rheometer with Rheocalc™ software for automated instrument control and data acquisition. Our test temperature of 25°C was maintained by direct immersion of the Enhanced UL Adapter sample chamber into a TC-550AP Programmable Refrigerated Bath. Representative data from the analyses in Figure 1 show a relatively constant viscosity at 25°C (55 cP to 52 cP) over the speed range tested.

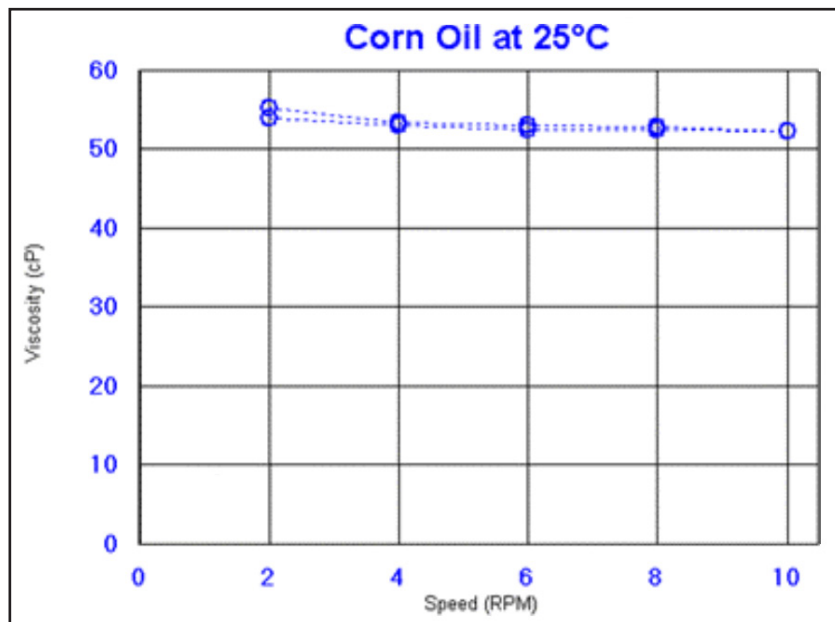


Figure 1: Viscosity vs. Rotational Speed

METHOD 2

Test Equipment

Instrument:	Viscometer or Rheometer
Torque Range:	LV
Spindle:	LV-1
Accessories:	TC-550AP Programmable Bath
Speed:	25, 50, 75 and 100 RPM

Test Method

We used a Brookfield DV3TLV Rheometer with LV guard leg and Rheocalc™ software for automated instrument control and data acquisition. The sample, tested in a 600 mL low form Griffin Beaker, was immersed in a TC-502P Programmable Refrigerated Bath and equilibrated at 25°C. Representative data from the analyses in Figure 2 show a relatively constant viscosity at 25°C of approximately 52 cP over the speed range tested.

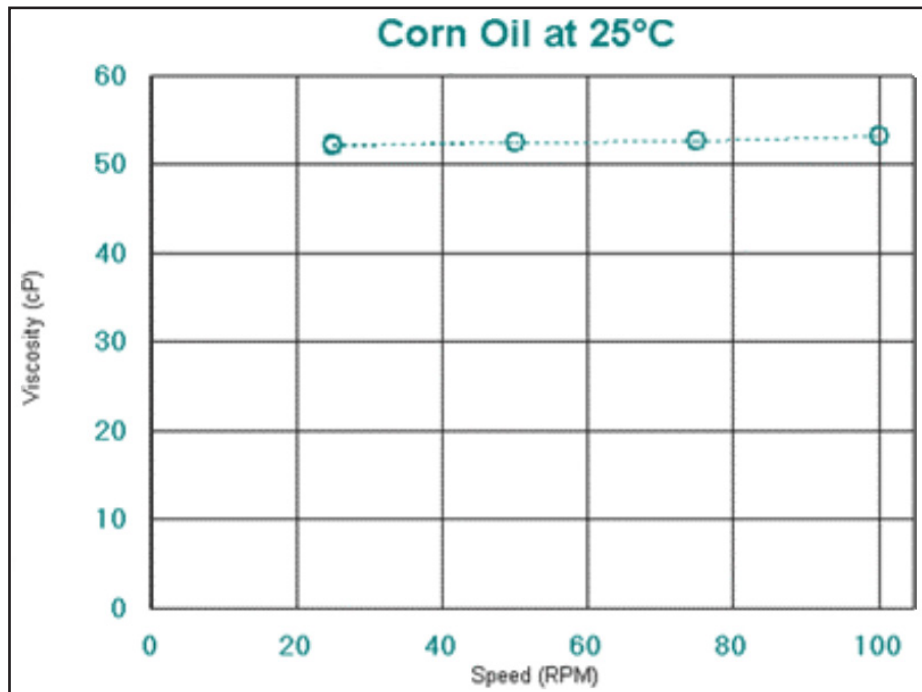


Figure 2: Viscosity vs. Rotational Speed