

VSG COMPARISON WITH ONTARIO HYDRO STANDARD SPECIFICATION M-652-84 (VSG meets or exceeds all requirements)

TEST	REQUIREMENT		VSG
	min	max	
Penetration, worked @25°C, ASTM D-217	310	355	343
Dropping Point, (°C), ASTM D-566	135	-	250
Oil Viscosity, ASTM D-445 @40°C @100°C	150 14	210 -	176 15.3
Water Washout Loss, @79°C (%)	-	20	6
Timken OK Load (kg), ASTM D-2509	18	-	25
Copper Strip Corrosion, 24h @100°C, ASTM D-4048	-	1b	1b
Apparent Viscosity, 0 to 50°C (poise), ASTM D-1092 15 reciprocal seconds 100 reciprocal seconds 400 reciprocal seconds	- - -	1500 800 400	500 120 70
Roll Stability, 4 hr @ 25°C, % penetration change, ASTM D-1831	-	20	8
Compatibility with other qualified products, mixed 1:1, ASTM D-1831	Roll stability not to be inferior to the poorer of the mixture components		Only qualified product is calcium based which is fully compatible
Lead Content (%)	-	0.1	<0.001