

## VSG 'Green' WICKET GATE GREASE Grade 1

### PERFORMANCE IN CONTACT WITH WATER

CHARACTERISTIC	TEST	RESULT
<b>Roll Stability</b> % change with 50% water	ASTM D-1831	-21 (stiffens)
<b>Worked Stability</b> % change after 10,000 stokes with 20% water	ASTM D-217	-22 (stiffens)

**Comments:** Many greases lose consistency (softer with a higher penetration) when in contact with or mixed with water. VSG actually stiffens because the calcium sulfonate complex thickener can absorb some water. This has the benefit of forming a harder (stiffer) layer where it is in contact with the water so one benefit can be less grease loss.

VSG Grade 1 grease has a typical penetration of 325 which is mid way for the NLGI Grade 1 range of 310-340. With water it stiffens up over 20% which yields penetration of about 260. This is just a bit less stiffer than a Grade 2 that has a range of 265-295.

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