



Krytox[®]

performance lubricants

Krytox[®] Fluorescing Oil and Grease

Krytox[®] GPL 155 oil and GPL 255 grease are special products with fluorescing agents in them to allow the use of a black light to determine the uniformity of an application. They are not intended for routine application as lubricants without qualification testing. The fluorescing additive is present at low levels, but its effect on lubrication performance has not been tested.

Under ultraviolet light, the products give off yellowish-green color that is visible to the unaided eye. The only equipment necessary is a standard broad spectrum ultraviolet lamp, commonly known as a "black light." The lamp that we have emits long wave ultraviolet light in the 365 nm range. This should be available from almost any industrial supply company, such as Cole Parmer, VWR, or Thomas Scientific. Our unit is from VWR and is a "Blak-Ray" ultraviolet lamp that cost about \$85.

The fluorescing agent is suspended in the GPL 155 because of the addition of our 157 FS surfactant to the oil. The 157 FS is acidic, and its effect on various materials is unknown. The grease matrix of the GPL 255 holds the fluorescing agent in place without the use of surfactants.

Typical Properties

GPL 155 Oil	
Base Oil Viscosity, cSt	
20°C (68°F)	550
40°C (104°F)	160
100°C (212°F)	18
Appearance	Cloudy Dispersion
GPL 255 Grease	
Standard NLGI Grade	#2 Penetration (265–295)
Appearance	White, Buttery

For more information or technical assistance, visit us on the Web: www.krytox.com

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