



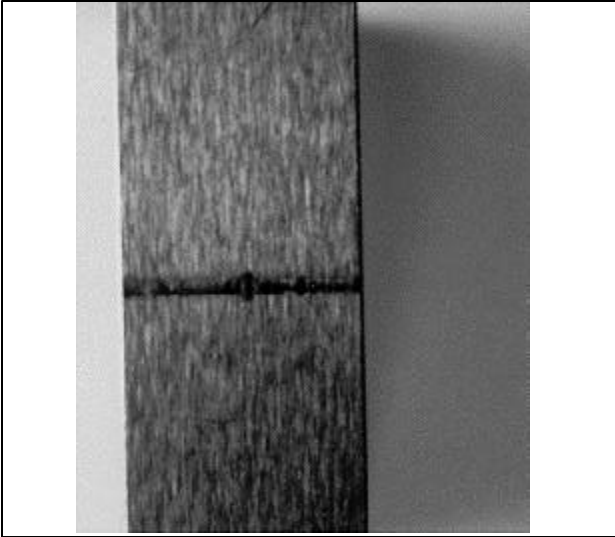
# Krytox<sup>®</sup>

performance lubricants

## Corrugator Lubricant Comparison Sheet

	Krytox <sup>®</sup> GPL 226	Krytox <sup>®</sup> GPL 227	NyeCorr 140 Sample
Standard NLGI Grade	#2	#2	#2
Oil Available	75%	75%	69%
Thickener	23%	23%	26.6%
Useful Temperature Range	-36–260°C (-33–500°F)	-30–288°C (-22–550°F)	? ?
Base Oil Viscosity, cSt			
20°C (68°F)	810	1600	?
40°C (104°F)	240	440	401
100°C (212°F)	25	42	?
Appearance	Homogenous white	Homogenous white	White with large crystalline particles
Anticorrosion Additives	2% sodium nitrite uniformly fine	2% sodium nitrite uniformly fine	4.4% sodium nitrite irregular large particles
Antirust Rating, ASTM D1743	Pass	Pass	Pass
Specific Gravity	1.95	1.95	1.95
4-Ball Wear ASTM D2266	0.41 mm	0.40 mm	0.81 mm
Block on Ring Wear ASTM D2714	0.52 mm	0.73 mm	0.73 mm
Oil Volatility, % in 22 hr at 204°C (400°F) ASTM D972 (Modified)	3 max.	1 max.	?

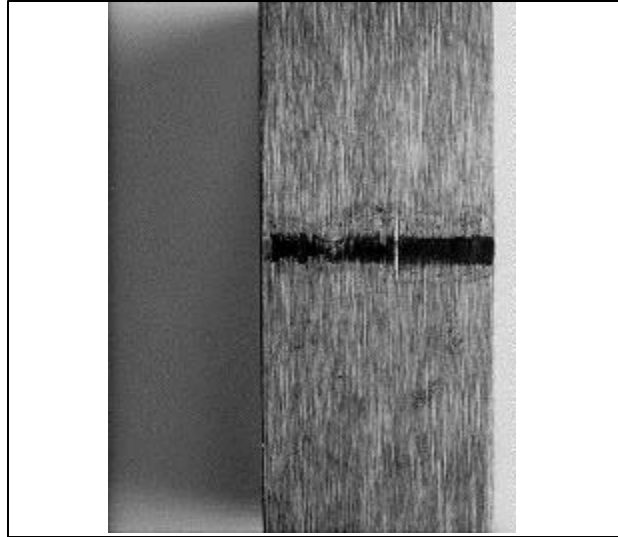
**Krytox® GPL 226**



**Wear scar 0.52 mm**

Block on Ring tests were run per ASTM D2714. The test runs at 72 rpm, with a 68 kg (100 lb) normal load for 5000 cycles. The test is a line contact configuration. Data obtained includes force of friction, rise in temperature during the test, and

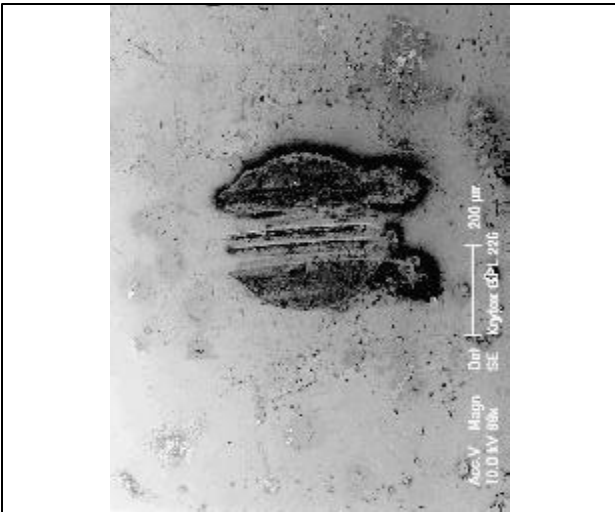
**NyeCorr 140**



**Wear scar 0.73 mm**

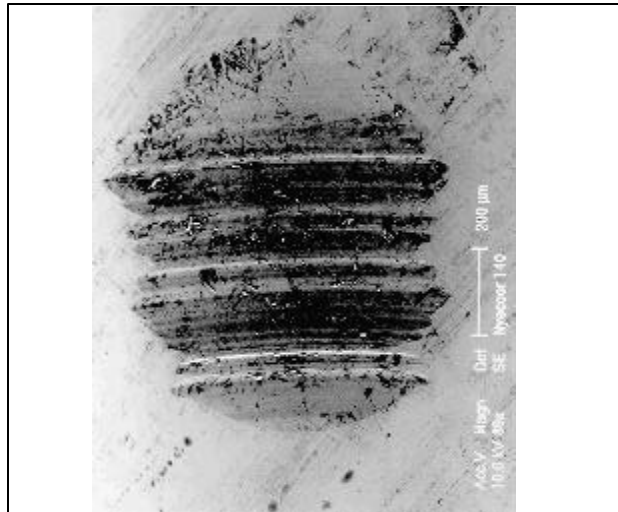
size of the wear scar on the test block. The test block and ring are lightly coated with grease that is not replenished during the test. This method tests the wear prevention properties of the greases.

**Krytox® 226 = 0.41 mm**



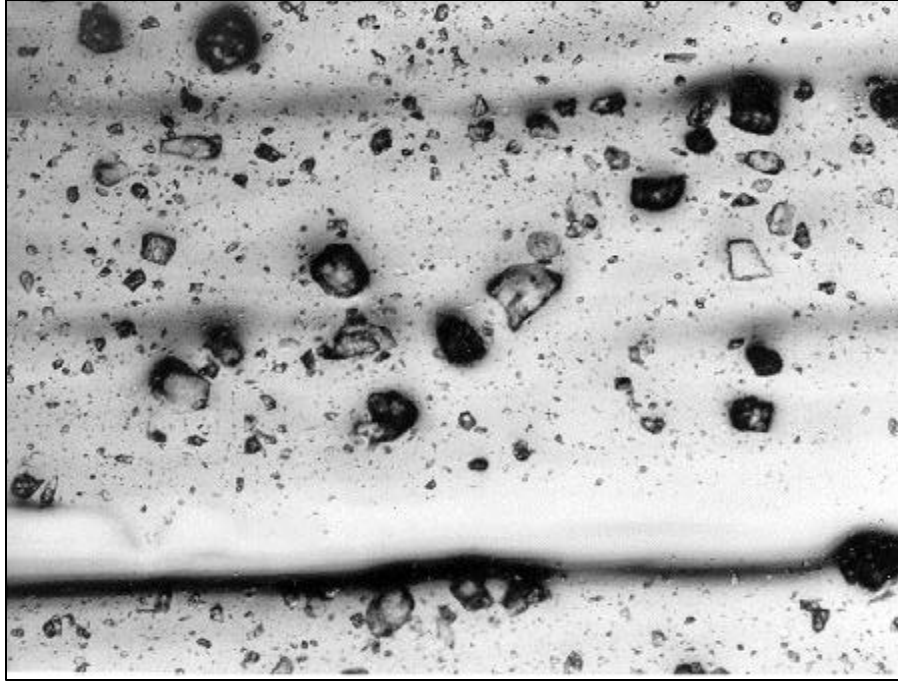
4 Ball Wear tests were run according to ASTM D2266 at 1200 rpm, 20 kg load, 107°C (225°F) starting temperature, and 1 hr duration. The wear

**NyeCorr 140 = 0.81 mm**

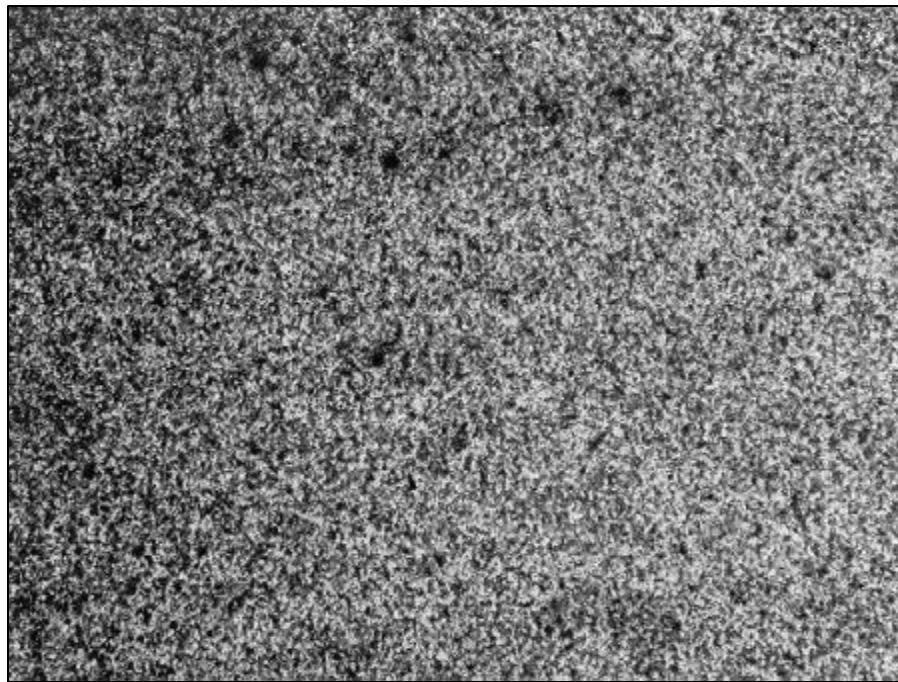


scar was measured, and the coefficient of friction calculated from the torque data. This method tests the wear prevention properties of the greases.

**NyeCorr 140 grease magnified 91x**



**Krytox® GPL 226 grease magnified 91x**



NyeCorr grease has a significant number of particles that are larger than 50  $\mu\text{m}$ .

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**For more information or technical assistance, call: (800) 424-7502**  
**or visit us on the Web: [www.krytox.com](http://www.krytox.com)**

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