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at Urbana-Champaign			<b>and Industrial Engineering</b>				
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As per your request, we have conducted a limited number of tests to assess how Militec-1							
performs in a tetrafluoroethane (R134a) refrigerant environment.							
<b>Rolling Piston (Line Contact) Tests</b>							
Test conditions							
			Contact Pressure	150,000 psi (max. Hertzian pressure)			
			Contact Load:	111 lbs			
			Relative Speed:	oscillatory sinusoidal			
				frequency = 5 Hz amplitude $\pm 50^\circ$			
				effective tangential velocity = 20.8 ips max.			
			Upper Specimen:	Material:	Ni-Cr-Mo Gray Cast Iron		
				Surface Roughness:	0.057 mmRa		
				Surface Hardness:	50 RC		
			Lower Specimen:	Material	M2 tool steel		





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Last Update: 8/18/96

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