


Registration No.	Number 00051		
Registration Date	October 6, 2010	Registration Category	Category 2

Name (Model, etc.)	Synthesis Gas Circulator		
Location	Kawasaki Ward, Kawasaki City, Kanagawa Pref		
	Showa Denko K.K. Kawasaki Plant		
Owner (Custodian)	Showa Denko K.K.		
Manufacturer (Company)	Ishikawajima Shipbuilding Corporation		
Year Manufactured	1930		
Reason For Selection	<p>This is a gas compressor used for recirculating unreacted gas into the synthesis system and part of the ammonia synthesis apparatus developed by the Tokyo Industrial Laboratory (TIL). It is a single-acting compressor capable of circulating 18,000 N m<sup>3</sup>/h mixed gas at a pressure of 300 kg/cm<sup>2</sup>. During those days, ammonia synthesis was mainly done using technology developed outside Japan, and most of the equipment was imported from abroad. But with unrelenting determination, Showa Fertilizer initiated local production of ammonia using the TIL method and after great effort finally succeeded in synthesizing ammonia. The apparatus is exhibited at the main entrance to the Kawasaki Plant of the company now known as Showa Denko. This is an important exhibit of Japan's first apparatus used for ammonia synthesis.</p>		
Registration Standard	1 - A		

Open/Closed to Public	Open to Public with Condition
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Photo	
Other useful information	