


Registration No.	Number 00120		
Registration Date	September 10, 2013	Registration Category	Category 2

Name (Model, etc.)	64700 k VA Turbine-generator (TAF-2P-64700kVA-3600rpm-HCH-13200V-60Hz-0.85pf)		
Location	Yokohama City, Kanagawa Pref		
	Toshiba Energy Systems & Solutions Corporation. Keihin Product Operations		
Owner (Custodian)	Toshiba Energy Systems & Solutions Corporation. Keihin Product Operations		
Manufacturer (Company)	Tokyo Shibaura Electric Co., Ltd.(now Toshiba Energy Systems & Solutions Corporations)		
Year Manufactured	1953		
Year First Appeared	1953		
Reason For Selection	The first hydrogen-cooled generator produced in Japan. While hydrogen is still widely used to cool generators due to its thermal conductivity, windage loss, insulating properties, non-corrodibility and other advantages, at the time there were practical difficulties using hydrogen due to its flammability and susceptibility to leaking. This machine was manufactured using a unique design by Tokyo Shibaura Electric Co., Ltd. (now Toshiba) to solve these issues. Adjusting the pressure of the seal oil in the seal shaft in relation to the hydrogen pressure in the generator prevented hydrogen from leaking out.		
Registration Standard	1 - A		

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