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SH

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SH/T 3139-2019

Replacing SH/T 3139-2011

**Technical specification of centrifugal pumps for heavy duty
services in petrochemical engineering**

石油化工重载荷离心泵工程技术规范

(English Translation)

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What this standard covers

This standard specifies the requirements for the design, manufacturing, testing and testing of heavy-duty centrifugal pumps and their driving machines and auxiliary equipment for petrochemical industries. This standard applies to the engineering design and equipment procurement of heavy-duty centrifugal pumps in the petrochemical industry. Petrochemical heavy-duty centrifugal pump refers to a centrifugal pump that meets any of the following conditions: a) Unless otherwise specified, it is used to transport flammable or toxic media; b) To transport non-flammable and non-toxic media, but meet the following Pumps under any operating conditions: 1) Rated discharge pressure is greater than 1.9MPa (G); 2) Operating temperature (medium temperature) is greater than or equal to 150°C; 3) Rated speed is greater than 3000r/min; 4) Rated head is greater than 120m; 5) The maximum suction pressure is greater than 0.5MPa (G); 6) The maximum impeller of the cantilever pump is straight

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Standards quoted by this document

GB/T 9112; GB/T 9115; GB/T 51007-2014; GBZ/T 189-2007; GBZ 2.2-2007; HG/T 20592; HG/T 20615; HG/T 20623; SH/T 3149; SH/T 3156; SH/T 3406; ISO 1940; ISO 10438 (API STD 614); ISO 13709-2009 (API STD 610-2010); API STD 682-2014; API STD 670; ASME B16.5