Name 1	TOSI COMPRESSOR
Name 2	/
ID number	002.116.Idrija
Manager / Administrator	Idrija Mercury Heritage Management Centre, Bazoviška 2, SI-5280 Idrija
Ownership	Public
Owner	Republic of Slovenia
Local / Original ID Number	/
Type of Object	Mine

DESCRIPTION

Short description	A horizontal, two cylinders, two-stage stable compressor with air boiler. In function the compressor has the following characteristics: maximum pressure 7.09 bar (7 atm), capacity 30 m3/min of vacuumed air and 153 RPM. Cooling water consumption was 1.5 l/s. Electricity consumption for production of 1 m3 of compressed air was 0.108 kWh/m3. The low pressure cylinder diameter is 5.25 cm, the high pressure cylinder diameter is 3.25 cm and the piston movement is 5 cm.
Measures	/
Materials	/

Dating	1926
Author / Producer	S. A. Franco Tosi, Legnano, Italija.

Picture attachments

Original use	The Tosi compressor was put in place during the time of Italian Administration. It operated along with already existing compressors Breitfeld, Danek & Co Prag (1917) and horizontal single-cylinder two stage compressor from the Kosel factory from 1918. During that time they also built the new building for compressors, drilling machine repair shop and drill sharpening centre. They also installed the new pipeline from the compressor station to the Joseph’s and Inzaghi Shaft with pipe diameter 4” (Ø 114.3 mm).
Present use	The Tosi compressor is being preserved, secured and presented as an important monument of Idrija technical mining heritage with exceptional universal values. Its presentation will become available to the general public as a special feature of the “Mercury Heritage”, after the realisation of the planned comprehensive renovation of the compressor station building. The compressors from the Austrian period (Idrija Municipal Museum’s collection “Mining machines and devices”) are already exhibited in the Francis’s Shaft building. Besides the Chicago and Atlas Copco compressors, visitors will now be able to see the complete renovation of the technological process of the important energy source, in the context of mercury ore acquisition in Idrija Mercury Mine in the 20th century.
Original location	SI-2357 Idrija - town, building no. 1214
Present location	No changes

STATE OF CONSERVATION

History of conservation:	Before presenting the compressor to the public, it needs to be restored and conserved. Security of the premises is ensured.

Present state	good
Necessary activities:	Regular seasonal maintenance.

DOCUMENTATION

Addresses / collections / links etc. where further in-depth information is accessible:	- CUDHg Inventory Book.
Submitted	Mestni muzej Idrija
Submitted by	Miha Kosmač
Date Submitted	3. 3. 2018
Date Edited	Never