



Italia

Scegli la certezza.  
Aggiungi valore.



TÜV Italia srl - Sede - I-20099 Sesto S. Giovanni (MI) via Giosuè Carducci 125

## Report n° TR270064-15/2016

<b>Type of machine:</b>	SH110B		
<b>Certificate Holder:</b>	SICOR S.p.A. Viale Caproni, 32 I - 38068 Rovereto (TN)		
<b>Manufacturer:</b>	SICOR S.p.A. Viale Caproni, 32 I - 38068 Rovereto (TN)		
<b>Examination number:</b>	270064-15/2016		
<b>Verification product:</b>	Calculation of the traction sheave shaft		
<b>Construction drawing:</b>	SICOR 00244961 Rev.2	Assembly	
	SICOR 00210314 Rev.4	Construction Detail	
<b>Basis of examination:</b>	DIN 743-1-2-3-4 Edition 2012		
<b>Shaft material:</b>	42CrMo4+QT EN 10083-3 (1.7225)		
<b>Detail of the calculation:</b>	Maximum static load on the operational shaft	$F_r$	20.6 kN
	Maximum rated torque	$M_{rated}$	750 Nm
	Total number of cycles of stress		Infinite life strength
	Other mechanical characteristics as per Test Report UT-029 Rev.1		
<b>Results:</b>	The verification of the shaft was carried out by means of the calculation, resulting that the defined traction sheave shaft, with the foreseen condition of loads, is in accordance with the requirements of the basis of examination. Detailed calculation reports are attached herein. The present calculation is based on a correct installation of shaft free of stresses and gap of the supports. The final certification of the machine is under the responsibility of the assembly manufacturer.		
<b>Notice:</b>	This certificate only refers to the sufficient calculation of the traction sheave shaft.		



Industrial Service Division  
Business Line Real Estate

Giorgio Castiglioni

26<sup>th</sup> April 2016

TÜV ITALIA S.R.L.  
TÜV SÜD Group

Direzione e Sede Amministrativa:  
Via Giosuè Carducci, 125 edificio 23  
20099 Sesto San Giovanni (MI)  
Sede legale: Via Mauro Macchi, 27 20124 Milano  
Società Unipersonale,  
soggetta al controllo e al coordinamento di  
TÜV SÜD AG

Telefono: +39 02 24130.1  
Telefax: +39 02 24130.399

[www.tuv.it](http://www.tuv.it)

TÜV®

Registro delle imprese di Milano  
n. iscrizione e Cod. Fisc. 08922920155  
R.E.A.: 1255140 - P. IVA 02055510966  
Cod. Identificazione CEE IT 02055510966  
Capitale sociale: Euro 500.000 int. Vers.