

# Test Certificate for Diesel Engines



Certificate No.:

38810 STN

Page 1 of 3

**General Data** H. Cegielski  
Fabryka Silnikow Agregatowych  
i Trakcyjnych Spolka z o.o., 61-485 Poznan, Republic of Poland

<b>Manufacturer</b>	
Poznan, Poland	2008-07-24
<b>Place of test</b>	<b>Date of test</b>

<b>Engine Data</b>	5L28/32H	0528262			
	<b>Type</b>	<b>Engine serial no.</b>			
	2008	1050 kW	720 min <sup>-1</sup>	17.70 bar	130 bar
	<b>Built</b>	<b>Rated power</b>	<b>Rated speed</b>	<b>Mean eff. pressure</b>	<b>Max. firing pressure</b>
	5	280 mm	320 mm	4-stroke	
	<b>Number of cylinders</b>	<b>Bore</b>	<b>Stroke</b>	<b>Method of operation</b>	
	water cooled	Pneumatic starter			
	<b>Cooling</b>	<b>Starting device</b>			

**Application** Marine auxiliary

**Turbocharger / Supercharging System** PBS Turbo,s.r.o., Velka Bites, Czech Republic

<b>Manufacturer</b>		
NR 20/R156	1	7024834
<b>Type</b>	<b>Number</b>	<b>Serial number(s)</b>

<b>Attached Ancillary Units</b>	45 m <sup>3</sup> /h	- m <sup>3</sup> /h	24 m <sup>3</sup> /h	- m <sup>3</sup> /h	-
	<b>Fresh water cooling pump</b>	<b>Sea water cooling pump</b>	<b>Lubricating oil pump</b>	<b>Air compressor (rel. to 1000 mbar, 20°C)</b>	<b>other</b>

**Drawings / Documents** The drawings of the above mentioned engine type have been approved by Germanischer Lloyd.

<b>Approval number(s)</b>	<b>Date</b>
10454/97	1997-02-18

**Tests and Inspections** All material, component and pressure tests were carried out (see list of component documentation).  
Test trials have been carried out in accordance with the Rules (see enclosure or remarks).  
After test run components have been inspected in accordance with the Rules (see enclosure or remarks).

**Remarks** As far as it could be seen, the workmanship of the component during inspection / test has been to the satisfaction of the undersigned Surveyor.

**Additional  
Statements**

Stocznia Gdansk S.A., Poland, NB 6668/2

Intended for

1916211930/07-0348/HZ

Customer order no.

0914570

Manufacturer order no.

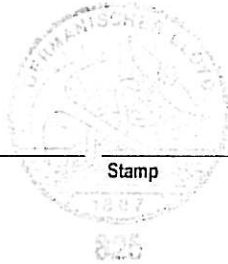
38810 STN		
07	GL	08

Stamping

We hereby certify that the diesel engine described above was built and tested in accordance with the Rules and under supervision of Germanischer Lloyd.

Poznan, 2008-08-26

Place / Date



Stamp

Mieczyslaw Przydrozny

Signature of GL Surveyor

A handwritten signature in black ink, appearing to read 'Przydrozny'.

**Enclosures**

List of component documentation

## List of component documentation

Components	Drawing no.	Test Certificate(s)	
		Number	Date
Air cooler	TT/67.053.022.101	38599 STN	2008-05-14
Connecting rods	W9.R328.08.7000	15770 CHW/06	2006-12-01
Connecting rods	W9.R328.08.7000	14629 CHW/06	2006-10-16
Crankshaft	W9.1601043-4	38611 STN	2008-04-28
Turbocharger	A 11.59901-0074	32329 PRG	2008-05-05