

CASE HISTORY REPORT

INPRO/SEAL

CUSTOMER :	<i>SOLLAC – USINOR-SACILOR ARCILOR</i>	LOCATION :	<i>Dunkerque–(NORTH) Dunkirk FRANCE</i>
INDUSTRY :	<i>CONTINUOUS CASTING</i>	END PRODUCT :	<i>CARBON STEEL</i>

9 double bearing pumps are used in the desulphurization plant of the continuous casting mill.

A very poor maintenance control during the running time, caused a lot of stuffing box leakage, with catastrophic bearing failure. See pictures.

In 1995 the customer decided to install VBX 0.900 – CODE 1900, Ø 76 & 87 mm. He was familiar with the Inpro/Seal Bearing Isolator on small and medium overhung pump.

After few months of running, the customer has observed a separation between the rotor and the stator. With his new experience and knowledge of our labyrinth he decided to install UNITARY DESIGN – CODE 4900 (in 1996).

After more than 12 months of running with 3 of these pumps fitted with UNITARY, the customer called me for inspection of the pump in repair shop. The pumps have failed for other problem than bearing, but the bearing isolators were partly out of the bearing housing cover. It's a split cover.

It was the first time that the local distributor really saw the pump and can technically study this application.

He recommended to machine the split cover and to use a VBX 0.900 – UNITARY – TURBINE FIT DESIGN. The first pump has been fitted in 1997, and since all the pump has followed.

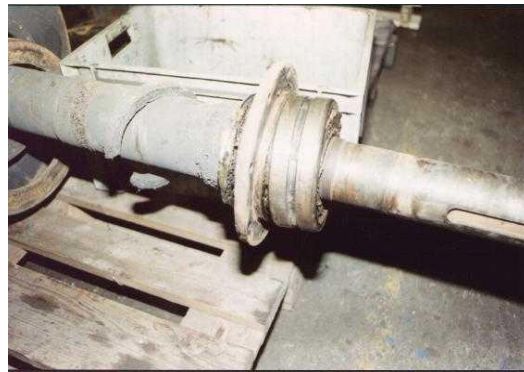
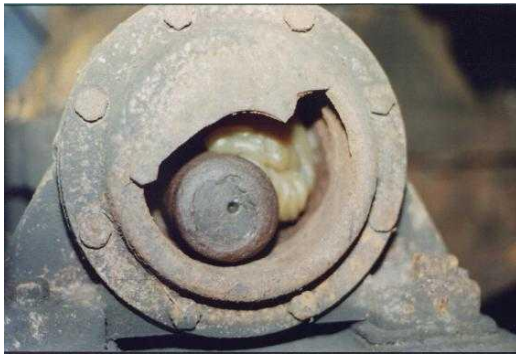
TECHNICAL DETAILS :

Manufacturer : Bergeron, between bearing, axially split pump – SBQ 62.

Shaft size : Ø 76 & 87 mm

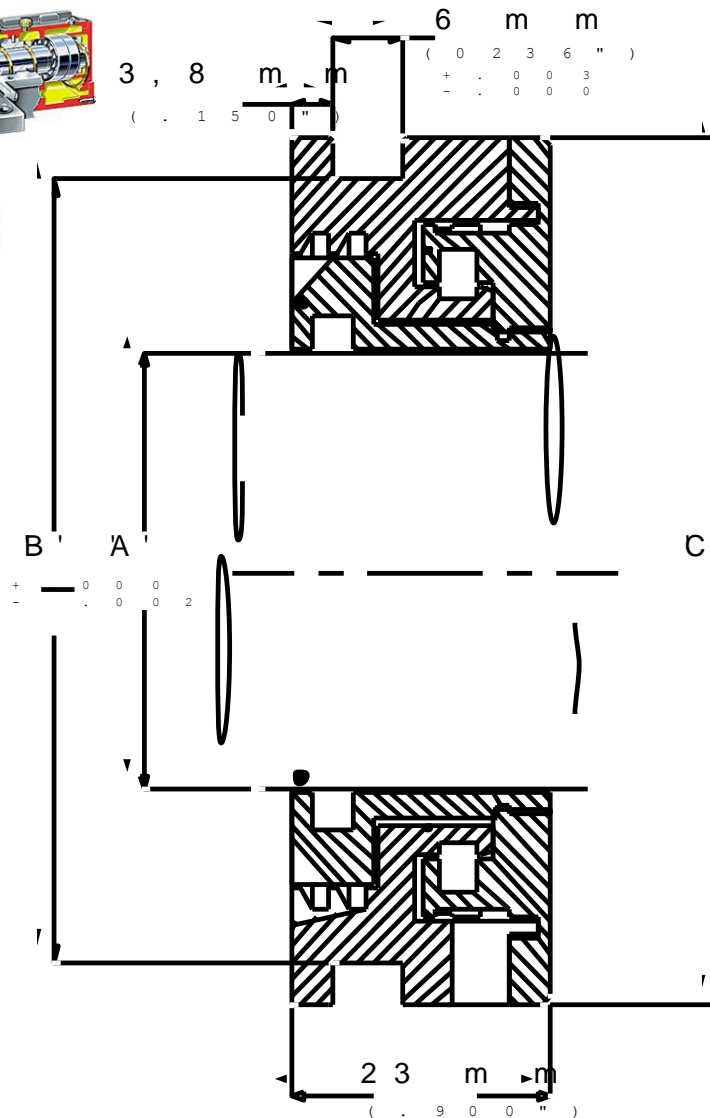
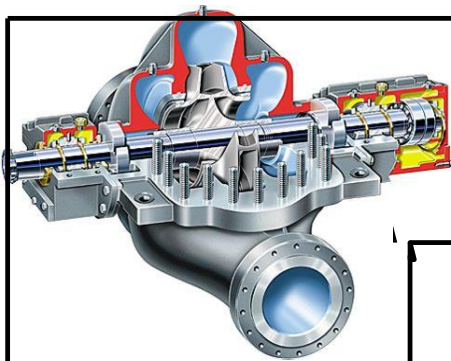
Inpro B.I : VBX 0.900 OAL – UNITARY – TURBINE FIT DESIGN.
Part Number : 4901- a-16422-0 & 4901-a-164423-0

SOLLAC - DUNKIRK

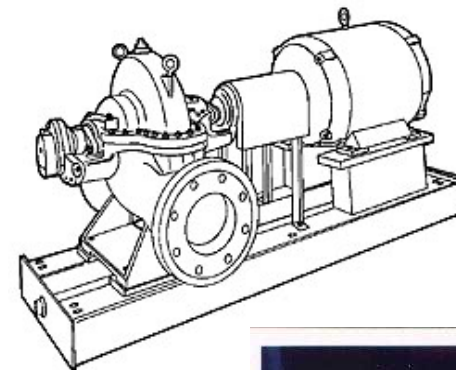



SBQ 62 – CONTINUOUS CASTING





INPRO P/N	'A'	'B'	'C'
4 9 0 1 - A - 1 6	4 8 7 2 - m 0	m 1 1 7	m 2 4 , 5
	3 . 4 2 5 "	4 . 6 0 4 "	4 . 9 0 0 "
4 9 0 1 - A - 1 6	4 7 6 3 - m 0	m 1 0 6	m 1 3 , 5
	2 . 9 9 2 "	4 . 1 7 1 "	4 . 4 6 7 "



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REVS					BEARING ISOLATOR		
REVS					DATE 03 OCT 02	TN06659	
			AND OTHERS PENDING				