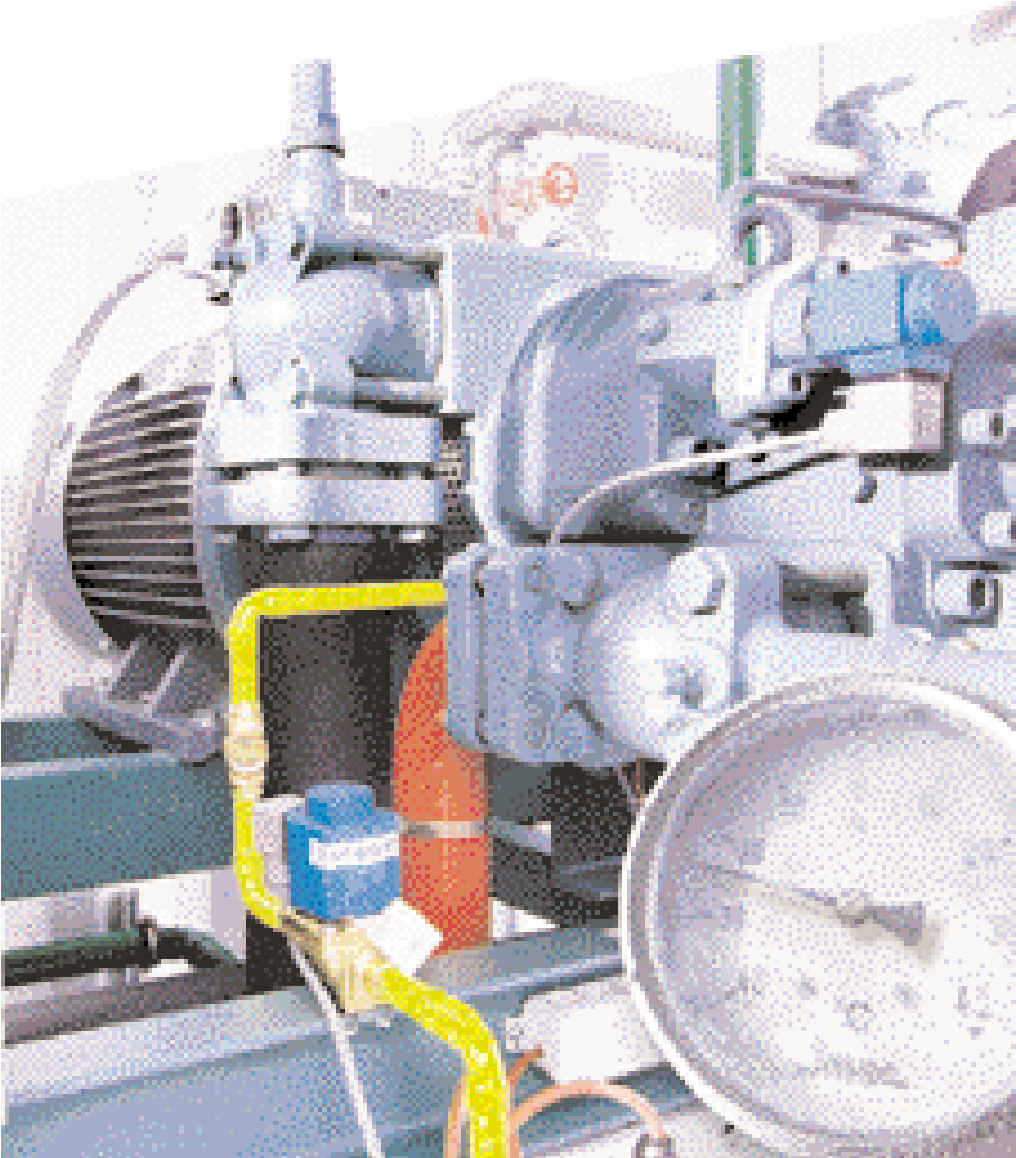


Case Study No. 2b:

Reliability Counts – RETALL® Cylinder Head Gaskets for Semi-Hermetic Refrigeration Compressors




THE CHALLENGE

A tough case: extreme vibration. Conditions like uneven distribution of surface pressure, extremely small sealing face bridges, and high dynamic loads are a challenge for any gasket.

THE SOLUTION FROM VICTOR REINZ

Keeping pressure in line – RETALL®, an embossed metal gasket with a high quality elastomer coating. The special configuration of the gasket design concentrates bolt force directly onto the embossments. The result is uniform line pressure with high mechanical strength.

What kind of challenge do you face?
Give us a call!

 +49 (0) 731-70 46-777



VICTOR REINZ®

Technical Data¹⁾ (nominal thickness 0.38 mm)		RETAIL[®]
Composition of Material		
Carrier thickness (carbon steel)		0.25 mm
Thickness of NBR coating (each side)		65 µm
Weight per unit of surface area		~ 2.15 kg/m ²
Residual stress	DIN 52913	
16 h, 300 °C		> 45 N/mm ²
Swelling	ASTM F146	
- in oil IRM 903 ; 5 h, 150 °C		
Increase in thickness		< 7 %
- in ASTM Fuel B ; 5 h, RT		
Increase in thickness		< 8 %
- in water/antifreeze (50:50) ; 5 h, 100 °C		
Increase in thickness		< 5 %
Peak temperature (short-term)		240 °C
Continuous temperature		-40 to +200 °C
Surface pressure maximum at 200 °C		75 N/mm ²

Form of delivery	RETAIL[®]
Gaskets according to drawing, dimensional specifications, or other agreements	max. width of 500 mm
Nominal thickness	0.38 mm
Tolerances	±0.04

Note: Refer to data sheet No. 129 or visit our website at www.reinz.com/datasheet for more detailed information.

¹⁾ The preceding technical data applies to the material in its delivery condition without additional treatment or handling.

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People Finding A Better Way[®]