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Comparison Testing Between Cortec VpCI-126 and Northern Technologies Films, on Ferrous Metal Parts

Background: The customer submitted ferrous metal parts made from powdered metal to Cortec Corporation.

Purpose: Expose submitted ferrous metal parts, when packaged in Cortec VpCI-126 film, Northern Technologies film and control film, to accelerated conditions.

Method: ASTM D 1748-83 (~ 100% R.H., 120 deg F)

Materials:

Cortec VpCI-126 film
Northern Technologies film

Procedure: The above tests were performed according to standard procedures for each.

Results:

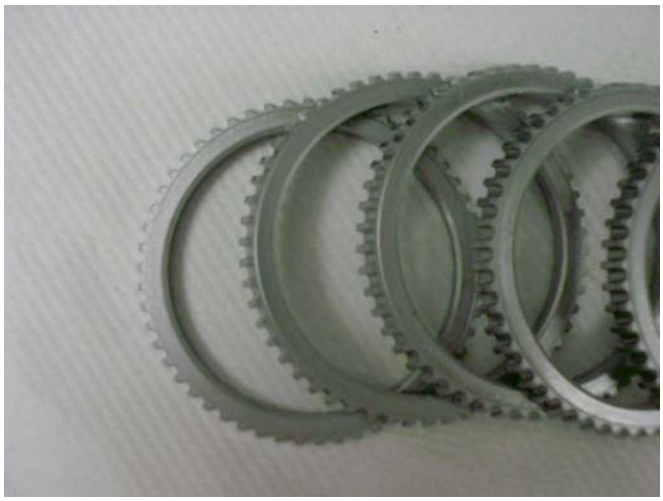
Material	Time until Corrosion (hours)
Submitted ferrous metal parts packaged in Cortec VpCI-126 film	$15 < x < 48$
Submitted ferrous metal parts packaged in Northern Technologies film	15, spots of corrosion that are very noticeable
Control	7, extreme corrosion

Note: A "previously unused" Cortec VpCI-126 bag was used for this particular test. A "previously used" Northern Technologies bag was used for this particular test. The Northern Technologies bag though, was not damaged in any way.

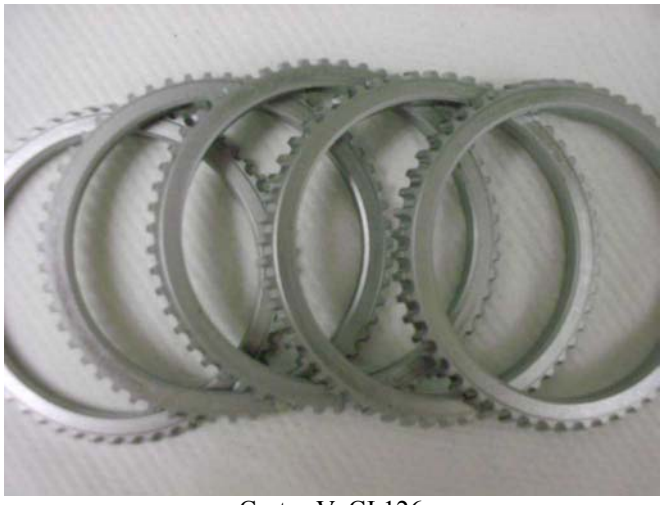
Photos enclosed

Conclusion: Ferrous metal parts, packaged in Cortec VpCI-126 film, provided a longer corrosion free life, than ferrous metal parts packaged in Northern Technologies film.

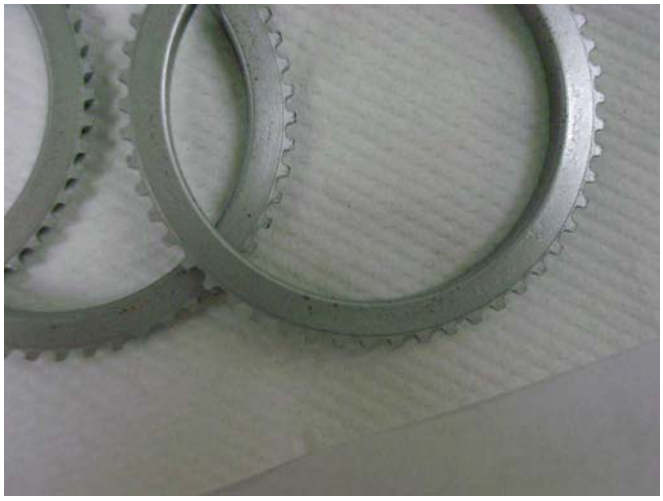
Cortec VpCI-126



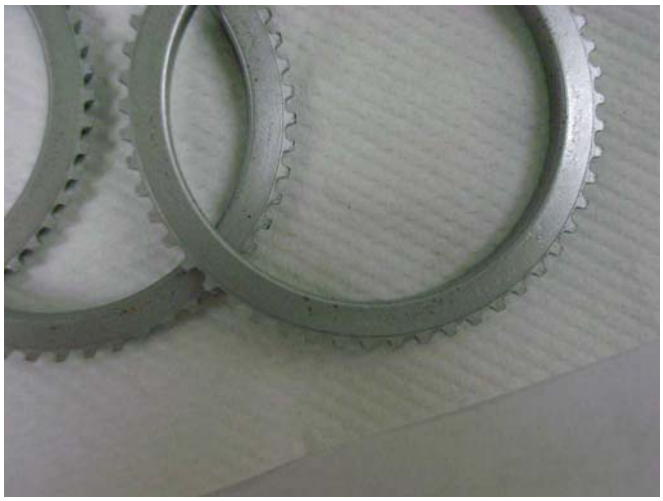
Cortec VpCI-126



Cortec VpCI-126



Cortec VpCI-126



NTI Film

NTI Film

NTI Film

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Control

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