



PEAR

BULLETIN 2014-3

YOUR HOSE IS NOT ALL IT'S CRACKED UP TO BE?

Have you ever noticed a hose, that you recently installed, start to crack and separate at the seams? This is generally caused by Ozone/Ultra Violet light affecting the outer cover of the hose and can happen rather quickly to new hose or take more time over several years. Ozone is formed from dioxygen by the action of ultraviolet light and also atmospheric electrical discharges, and is present in low concentrations throughout the Earth's atmosphere.

EI 1529 states in Section 4.4.12, Ozone Resistance:

The cover material shall not show signs of cracking when subjected to the ozone test.

Section 6.5.11, Ozone Resistance Test:

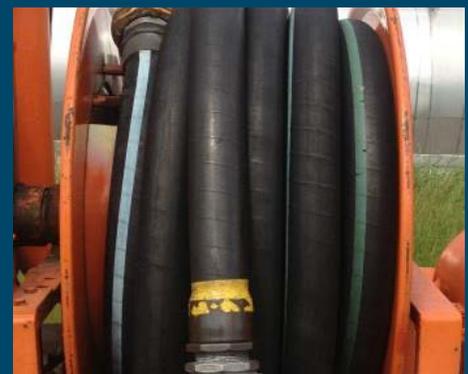
The cover material is tested for signs of cracking in accordance with ASTM D 1149 or ISO 7326, using test conditions of 100 parts of ozone per hundred million parts of air by volume for a 72-hour period at a temperature of 40 °C ± 1 °C (104 °F ± 2 °F).

Aviation hose cover material that cracks obviously are not meeting the EI 1529 requirement. Typically when these hoses are inspected during audits they are generally written up as not acceptable and required to be replaced. You could be left holding the entire cost if the manufacture deems it is outside the warranty period or plays hard ball with you on replacing the hose. None the less, there is a cost to you even if they send you a new replacement as the equipment must be taken out of service and labour cost associated with removing the defective hose and reinstalling the new hose.

At PEAR Hose, our hose assemblies utilize ContiTech AEROPAL® hose. ContiTech hose is superior resistant to Ozone/Ultra Violet rays. ContiTech aviation hose has a long track record of hoses that have been in service for many years with no cracking effect due to Ozone/Ultra Violet exposure. In fact, AEROPAL® hoses are most often changed out at based on the recommended 10 year life span and not due to affects from cracking because of Ozone/Ultra Violet rays.

We offer a 5 YEAR WARRANTY! Because we know *it's that good!*

SIMPLY THE BEST... BETTER THAN ALL THE REST



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