



**To:** All X-1R distributors

**From:** Nigel (Mac) McKenzie

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**Cc:**

**Date:** 9<sup>th</sup> October 2009

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**Subject:** X-1R Grease, a brief outline.

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The X-1R Corporation has a number of greases that are available for marketing/sale these are as follows;

1. Guardian Grease, this is a Lithium based grease and in as much is pretty cheap and unspectacular. Applications for this type of grease would be for the like of wheel bearings etc.
2. All Temperature Grease (ATG), this is a polyurea based grease and has a range of applications, however it is best application is in environments where there is a marine component.
3. Plum Crazy Grease, this is a calcium sulphanate based grease and best described as a medium weight or grade two grease. It can be used in applications where there are "fast" requirements such as conveyor belts in bottling plants.
4. Penn Grease, this is also a calcium sulphanate grease however this is a slower grease ideal for slow speed but high temperature applications. This is a relatively light weight grease or grade one grease.

The shelf life of all of the greases is between three and five years but this will depend on the storage conditions and most importantly the exposure to oxygen. If the grease is past its shelf life then it will have hardened and thus will not be suitable for application.

If you have a specialist application for a grease this can be accommodated, however, production runs would be about 4500 kilo's per batch.

Nigel McKenzie  
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