



Ford - Oil Free Packaging Addressing Environmental and OH&S aspects



Engine blocks from global sourcing upon arrival at assembly plant.

Ford applies a global approach to addressing the environmental and OH&S aspects to their logistics operations. Over several years Intercept enabled oil free packaging without compromising corrosion protection. Oiling and de-oiling is a major cause towards unsustainable cost impacts. Intercept enables a reduction in processing costs and bottle necks during production and assembly. Intercept avoids unnecessary steps such as washing and de-oiling.

It is estimated that the cost is around AU\$4.14 to Oil and AU\$34.24 to remove and dispose of the oil in a safe and environmental way. When it comes to packaging you have a lot to consider. Materials, design, cost, and all kinds of other considerations come into play when deciding which types of packaging would best suit your needs. When Ford ship metal parts and other costly items they're looking for packaging that offers corrosion resistance, resistance to moisture, and free of atomising oils and chemicals that can have a detrimental impact on workers and the environment.



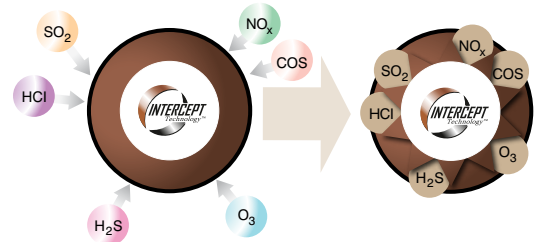
UnderRaps and Intercept backs another winner!



UnderRaps and Intercept sponsored the irrepressible Murray 'Muzza' Domb Baretto Blues based in the Subic Bay region, 100 Kms North West of Manila. 'Muzza' with the help of UnderRaps took out the shield. Manila10s, boasts over 32 teams playing 76 games over two days and has been graced by rugby luminaries like David Campese, Bernie Fraser, John Bentley, Nick Farr-Jones, Joel Stransky, Stu Wilson, Elton Flatley, Jeff Probyn, Dan Crowley and recently Colin Charvis.



Intercept delivers protection by reacting with and then permanently neutralizing corrosive elements



**Chemically Bonds to and removes airborne contamination-
Humidity and temperature independent effective at low and high concentrations of gases**

Oil and Gas



The OIL AND GAS industry is one of the largest of all industries in Australia. When you consider the volume of equipment critical and non critical, both large and small worth millions of dollars, UnderRaps with its global partners are leading the way in preservation. However as the projects commence it is often in a very corrosive environment such as the Gorgon and Wheatstone projects. Being in a sensitive environment Intercept technology solves many of the problems. UnderRaps and its global partners work with companies such as Chevron, FMC and Woodside to provide solutions.

Leeuwin

UnderRaps encapsulated the deck so new timber could be laid and work carried out during the worst of the winter storms. UnderRaps is proud to be part of the refit and acknowledges the benefit foundation delivers to the Western Australian community. The Leeuwin Ocean Adventure Foundation runs a youth development program that is both physically and emotionally challenging and is designed to help young people reach their personal potential through the development of social confidence and relationship skills.



Intercept key advantages to parts preservation:

- Functionality:** Intercept can be applied to all shapes, sizes and contain no oils or volatile substances Intercept products are reusable allowing for inspectability and rotation of moving parts.
- Cost Savings:** Intercept packaging helps reduce total costs. Minimizing packing time and handling methods reduces overall weight of packaging. No removal and disposal of oils is necessary, thereby reducing the amount of steps required.
- Reliability:** Intercept and UnderRaps products have been in the field for many years. The range of products ensures we have the correct packaging to go the distance and the test of time. UnderRaps and our global partners have the experience in manufacturing packaging that is shipped globally.
- Quality:** Intercept meets the highest product quality. Whether it's for export or returnable packaging, we stand by the technology and the products that deal with corrosion, static and moisture.



Core Sample Preservation



The Intercept Mineral Sample Packaging System has been designed and tested specifically for packaging of Mineral Samples in a modified atmosphere packaging inert environment. This system will prevent oxidation of the samples for long term storage and transport. The system is both suitable for samples in Core trays and bagged samples. Since the system design 18 months ago, in conjunction with GXD Supplies, our Philippines Intercept Distributor, more than 300,000 samples have been packaged and sent to laboratories in Australia, South Africa and Canada maintaining their integrity for the duration of storage and transport. The system is now operating on many sites in the Asian region.



General Electric Large Rail Alternators



Intercept pre made shrink film covers that offer in-house application providing corrosion protection. Zipper accesses to lifting points are in place. The main problem with existing oil based products is they need to be contained in a sealed environment.

With Intercepts unique properties the package can be opened then closed and Intercept goes back to work scrubbing the environment of corrosive gasses maintaining critical spares and electronics in working order, free from corrosion. From items such as large pumps, riser assemblies, to reels and winches can be protected to ensure the equipment is ready for service after extended periods of shipping and storage. Critical spares and electronics are kept in working order, free from corrosion and ESD.

Monarflex

The Protection You Need

Monarflex presents a real solution to the problem of site protection. From installation to completion, Monarflex provides a fast, reliable and tough protection system that is reusable time after time making Monarflex the most economical sheeting product on the market today.



The Ultimate Choice for Environmental Protection

Complete containment makes Monarflex the first choice for any environmentally sensitive project. Whether it is for the removal of asbestos, lead based paint, other toxic substances or simply to contain dust and debris on a construction site, Monarflex is the ultimate solution.

Intercept Woven

This exciting new product gives you excellent UV corrosion protection with a crate liner or cover that can be removed allowing for inspection of critical spares. This makes it easier for rotation of shafts, bearings etc., and the covers and the liners are re-usable allowing several uses from reman to the site and back. Intercept also protects plastics and rubber from degradation. No oils means no cleanup before the item goes into service and no volatile substances affecting the workers health or the environment.



Aerospace Testing Equipment

Testing equipment is shipped with Static Intercept® and Esorb desiccant. Previous shipments packed in vacuum packaging and exported to Turkey Air Force by Korea Aerospace Industries Ltd. arrived corroded.

Park, our Intercept Distributor in Korea, noted the client (KAI, Hyundai WIA) had been looking for an oil free, cost-effective and reliable packaging system with an anti-corrosion and anti-static function for their export items. Application: Static Intercept® film was chosen to provide corrosion and static protection - the shipment arrived in Turkey as good as new!



UnderRaps and CHASE Improvement™



Frank Borgward Joins Under-Raps

Frank has joined us after 18 years in the mining industry having been involved in the design, application and supply of rubber mill linings throughout Australia and South East Asia. He is a born and bred Western Australian coming from good farming stock in the wheat and sheep producing region 180 kilometres East of Perth.

He is happily married and has three great kids ranging from 15 to 18 years of age. He comes to Under-Raps looking for a new direction and a fresh start in an industry that has been very rewarding so far.

He has worked in tourism, agriculture, aquaculture, mining and transport over his career and has a wide range of knowledge and experience in these areas.

Vintage cars and the outdoors life style are of particular interest with a trip up The Canning Stock Route, one of the most remote 4wd tracks in the world, with his two sons and a 1971 Landrover one of his most recent escapades. He has a good sense of humour and looks forward to meeting and talking to you all.



Think of Henry Ford, TQM and the Toyota Production System!

Lean Six Sigma is a strategic quality improvement process using manufacturing and business ideas and tools developed by visionaries in manufacturing. Lean eliminates waste and creates more value by looking at the process flow in UnderRaps, while Six Sigma, a business management strategy originally developed by Motorola, improves quality and consistency in our business.

UnderRaps staff have embraced the process and implemented the training and methodology.



Moisture Protection of your Cargo

UnderRaps also offer a large variety of Absortech Shipping Desiccants which can be used in conjunction with anti-corrosion Intercept Crate Liners to protect your cargo. The E-SORB desiccant range are non-toxic mineral and clay desiccants that offer a superior level of moisture absorption. The absorbent materials (MD and MT), absorb well at all humidity levels and effectively lock in trapped moisture by reducing heat induced water release to prevent over saturation. We have a variety of desiccant sizes to suite your needs.

UnderRaps Absortech Shipping Desiccants and Packaging Desiccants offer you a complete solution for total moisture protection of your cargo.