



Cammach Group Ltd
Cammach Business Centre.
Greenbank Road
East Tullos.
Aberdeen AB12 3BN
Tel: 0044 (0) 1224 249977
E: info@cammachgroup.com
W: www.cammachgroup.com

“Technology in a pail”

The positive reasons for promoting and distributing this product are twofold. Firstly, it conforms perfectly to our company values and beliefs in terms of our commitment towards the environment, and it is a natural partner to our existing product and service portfolio which we offer to our oil industry clients.

Enviro-1 is an exciting new development. It is a multi-purpose lubricant and thread compound which has been developed to be environmentally friendly, without compromising on performance. Normal grease used in industry is made up of non-biodegradable components, such as synthetic oils or petroleum derivatives, and thickeners made with metallic soaps or polyurea derivatives (a family of synthetic polymers).

With these negative impacts from conventional grease ingredients in mind, Enviro-1 grease was developed in accordance with the OSPAR Convention (Oslo-Paris Convention), the current legal instrument guiding international co-operation on the protection of the marine environment of the North-East Atlantic According to OSPAR recommendation (2000/5), a Harmonised Offshore Chemical Notification Format (HOCNF) should be submitted for all chemicals, relating to offshore exploration and driving activities and intended for use in the OSPAR maritime area. In other words, the products have to be ‘Yellow’ in Norway and Group E certification from CEFAS (Centre for Environment, Fisheries and Aquaculture Science) in the UK and The Netherlands. Enviro-1 has been awarded both certificates, clearly demonstrating that it belongs in the category of products considered to have the least potential environmental hazard – in other words, it is state of the art in respect of being environmental friendly.

Specifically intended for challenging applications, this multi purpose, high pressure grease is suitable for all threaded connections such as drill collars, drill pipes, tubing and casing as well as high load skids and underwater applications. This means the inventory of grease types is reduced, saving money, wastage and the confusion of selecting between a range of grease types with differing applications and characteristics.

Rather than follow the traditional approach of developing a special product for each thread design and application, Enviro-1 has been developed based on the fact that all applications work with slow movement and high load. In this type of application, it is critical to obtain surface separation in order to prevent wear and seizure and is key to tackling the rust and corrosion when working in a marine environment.

The positive feedback from companies who are already using Enviro-1 is remarkable. It has been found that there is considerably less thread damage, better sealing, superior corrosion protection, no connection seizing or top drive seizing, superior galling protection and much less grease consumption for each connection. Furthermore, Enviro-1 is reported as being extremely adhesive with a high load capacity for jacking and skidding.

Commercially, Enviro-1 provides a significant cost reduction on drill pipe and other rotary component repair costs. Using the Enviro-1 lubricant means pipes can remain on the rig longer, incurring minimal corrosion problems. Pipes can be stored easily for longer periods as Enviro-1 protects fully against corrosion and yard pollution. Thread protectors come off easily after long periods and can be sent back to shore without special precautions, avoiding the need to be treated as chemical waste.

In conclusion, Enviro-1 can bring many positive benefits to a drilling operation, saving money and contributing to greater safety of people, environment and equipment.

