

The logo for misp Ltd features the lowercase letters 'misp' in a bold, white, sans-serif font. The letters are set against a dark blue background that is framed by horizontal red and blue stripes. To the right of the 'p', the letters 'Ltd' are written in a smaller, white font.

**misp** Ltd

**Leading Specialists in  
Automatic Lubrication Systems**



**LINCOLN**



# **AUTOMATIC LUBRICATION SYSTEM FITTED AT HANSON QUARRY 'CRIGGION'**

## **LUBRICATION OF STATIC PLANT**

MSP Ltd are specialists in Automatic lubrication systems and have over 23 years experience in this field. During this period we have designed, supplied, installed and maintained many systems in the quarry industries throughout the UK.

The installation of Centralised grease systems will:

- Reduce down-time of your plant.
- Reduce time spent manually greasing.
- Eliminate in-accessible grease nipples, ie lubrication points behind guards.
- Ensure the correct amount of lubricant is applied at regular and precise intervals, irrespective of time.



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## **SYSTEM DESIGN**

The fitting of automatic lubrication systems will reduce the downtime of your plant, with over 65% of bearing failures resulting from inadequate or no lubrication.

The systems will be specifically designed for each application and the progressive styles systems can be installed to alarm if bearings are not being lubricated correctly or if the grease reservoir requires re-filling.

Due to the harsh environment of quarries the lubrication pump is normally housed in a steel cabinet protecting it from damage or the ingress of contamination.

The pictures below are similar to the unit supplied and fitted to the Criggion installation.



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## **LUBRICATION PUMP & CONTROL PANEL**

The lubrication pump and control panel fitted at Criggion quarry are detailed below:

### **PUMP**

The pump is an electrically operated unit that fills directly onto a standard 12.5kg tub of grease.

The advantage of using such a pump is that when the keg runs empty, the keg can be replaced easily and without mess or contamination.



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## **CONTROL PANEL**

The grease pump operated via a prologic timer which has inbuilt variable adjustment for both pump run and dwell times, giving optimal lubrication to the plant.

The control panel can be pre-programmed to monitor the correct operation of the system and to indicate a low level situation, as in the Criggion installation.



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## **PROGRESSIVE DIVIDER VALVES**

**Detailed below are the Lincoln progressive divider valves fitted in situ on the Criggion installation. The progressive divider valves operate with most lubricants including Heavy greases upto and including lubricant viscosities of NLGI2.**

**The progressive divider valves meter the grease to each individual point inturn monitoring the correct operation at all times.**

