



Ultramax WG12

Water glycol based, fire resistant hydraulic fluid

Product code: H047

Product Description:

Ultramax WG12 is a premium performance, water containing, synthetic hydraulic fluid, which conforms to the requirements of ISO12922 for type HFC fluids.

Ultramax WG12 greatly reduces risks where hydraulic equipment operates near flames, hot surfaces or molten metals and is particularly suited to systems that require a balanced combination of fire resistance and good lubrication.

Ultramax WG12 has an exceptional combination of anti-corrosion additives including vapour phase corrosion inhibitors to protect reservoirs and part-filled systems.

Benefits:

- High security against fire and explosion
- Excellent lubrication and anti-wear characteristics
- Reliable protection of systems and components
- Multi-metal compatible

Applications:

Typical applications include steel and aluminium production, pressure die-casting, glassmaking, polymer forming and many other high fire risk industries. Ultramax WG12 operates successfully in a wide variety of hydraulic equipment and is suitable for medium to high pressure hydraulic applications.

Performance Levels:

Ultramax WG 12 meets or exceeds the requirements of:

- Spray Ignition Tests (C.E.C. Luxembourg 7th Report, Factory Mutual, ISO15029).
- Factory Mutual - Hot Channel Ignition Test.
- ISO14935 Fluid Soaked Wick Test.

Additionally:

- Ultramax WG12 passes ISO20763 standard tests in a Vickers V104 Vane Pump.
- It gives fewer than 100 mg weight loss from ring and vanes at an elevated test pressure of 140bar, a level at which many water glycols cause significant wear.
- Ultramax WG12 passes ISO4404-1 corrosion tests and is suitable for use with steel, copper, brass and anodised aluminium.
- Ultramax WG12 is low foaming to minimise the risk of cavitation and air entrainment. In tests to ISO6247 it gives a result of 230/0 at 25°C.



TECHNICAL DATA SHEET

Typical Test Data:

Appearance	Clear red liquid
pH @ 20°C	9.5
Kinematic Viscosity @ 40°C (cSt)	39.0
Pour Point (°C)	< -45
Specific Gravity @ 15.6°C	1.090
Flash Point (°C)	None