



TECHNICAL DATA

GB UNIPOWER® SRC 46

APPLICATIONS

GB UNIPOWER® SRC 46 is a premium grade fire-resistant hydraulic fluid, developed for use in industrial hydraulic systems, such as die casting machines, hydraulic forging presses and hammers, machines and drive systems in the mining industry and robot welding machines. This HFC-type, water-glycol fluid is recommended as a replacement for mineral oil fluids wherever a major fire hazard exists. It has a typical water content of 36% and provides a high level of safety margin.

PERFORMANCE FEATURES

GB UNIPOWER® SRC 46 has been formulated to meet the current requirements of fire resistant hydraulic fluids and offers the following features:

- Fire resistance
- High water content (36%), ensuring extra safety margin
- Enhanced anti-wear properties
- Enhanced corrosion protection
- Air release performance
- Low foaming
- Conformance to all the technical and toxicological flammability criteria of the Seventh Luxembourg Report
- Conformance to British Coal Corporation testing

NB: For a detailed flushing procedure, reference should be made to the relevant System Maintenance Information sheet.

In addition to the standard Vickers vane pump test, GB UNIPOWER® SRC 46 has been tested in an extensive range of pumps, in collaboration with pump and equipment manufacturers.

MATERIALS COMPATIBILITY

Suitable materials include steel, copper, brass, anodised aluminium; natural rubber, neoprene, nitrile, butyl, ethylene-propylene and Viton elastomers; epoxy, phenolic or vitreous enamel paints.

Avoid zinc, cadmium, un-anodised aluminium; polyurethane, cork; conventional oil-resistant paints; or "Earth" filters.

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Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
OHSAS 18001

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CHARACTERISTICS

TEST	UNIT	TYPICAL PHYSICAL CHARACTERISTICS
ISO		46
Appearance		Clear red liquid
Specific Gravity @ 20°C		1.08
Pour Point (7th Lux. Report)	°C	-51
Viscosity @ 20°C	cSt	90
40°C	cSt	39
pH @ 25°C		9.6
Corrosion Protection (7th Lux. Report)		pass
Vickers Vane Pump Test	mg	<100
Total Wear after 250 h, ring and vanes		
Volume of Foam 24°C after 10 mins	mls	0
Typical Water Content	%	36
Spray Flammability Rating (7th Lux Report)		1
Specific Heat @ 25°C	kJ/kgK	3.4
Thermal Conductivity @ 25°C	W/mK	0.44
Flash Point		none
Fire Point		none

STORAGE AND HANDLING

GB UNIPOWER® SRC 46 should be stored under cover to avoid water collecting in the rim of upturned barrels.

HEALTH, SAFETY AND THE ENVIRONMENT

GB UNIPOWER® SRC 46 is classified as hazardous under current UK Health & Safety and Environmental Legislation and should only be used in the application for which it is intended.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, www.environment-agency.gov.uk, as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.