



Industrial  
Lubricants



Automotive  
Lubricants



Biodegradable  
Lubricants



Agricultural  
Lubricants



Cleaning &  
Maintenance



Greases &  
Pastes



Foodsafe  
Lubricants



Heritage Oils



Lubrication  
Equipment



Metalworking  
Fluids



## Quenching Oils

Premium Quality Heat Treatment Fluids

Product Code: ABQ, ABR, ABS, ABT, ABV, ABW

### Product Description

Pennine Quenching Oils are developed for the conventional and accelerated heat treatment of carbon alloy steels. Manufactured from low viscosity solvent refined mineral oil, they have excellent resistance to oxidation and good water shedding properties.

### Applications

"22" and "32" grades are recommended for conventional oil quenching where the majority of hardening operations will be satisfied.

"22 AC/M" and "32 AC/M" are partially accelerated quenching oils offering a moderately improved cooling curve together with the benefits of excellent oxidation stability and lower internal stresses than the "AC" grades. These products are recommended for applications where a wide variety of steels are to be heat treated and a degree of rationalisation is required.

"22AC" and "32AC" grades are high performance quench oils providing accurate degrees of hardness with minimum deformation whilst ensuring that components are free from surface staining. They endure the most severe operating conditions and offer excellent oxidation resistance, maintaining a stable performance throughout their long service life.

### Typical Test Data

Quenching Oil	ABQ 22	ABR 32	ABV 22AC/M	ABW 32AC/M	ABS 22AC	ABT 32AC
ISO Viscosity	22	32	22	32	22	32
Density @ 20°C	0.86	0.88	0.87	0.88	0.87	0.88
K.V. @ 40°C cSt	20	33	21	34	21	35
K.V. @ 100°C cSt	3.9	5.5	4	5.7	4	5.7
Viscosity Index	99	100	102	104	102	104
Flash Point (°C)	203	210	203	210	203	210



Certificate Number: 9480  
ISO 9001



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### Availability

Pennine Quenching Oils are available in bulk, 1000 litre IBC's, 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

### Storage

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open.

### Health and Safety

Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement, we therefore reserve the right to change specifications without notice.



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