



**WHAT LIQUIDS CAN THE HYMECH 50 mm (2") PUMP HANDLE ?
(ALSO APPLICABLE TO HYMECH 80mm (3") PUMP FROM SERIAL No. 1000 ONWARDS)**

1) MATERIALS OF CONSTRUCTION

CASINGS	Aluminum LM24	IMPELLER... ..	Grey Cast Iron
WEAR PLATE	Steel	PLUGS & COUPLINGS ...	Nylon 6 ; reinforced
'O' RINGS	Nitrile rubber	VALVE & GASKETS	Nitrile-PVC compound
MECHANICAL SEAL	Ceramic/316 Stainless Steel / Moulded Carbon/ Nitrile Rubber		

2) APPLICATIONS

Mainly for pumping clean and dirty water. Standard fitted with gaskets/seals made of nitrile rubber and nitrile-PVC compound. This feature has enabled many users to pump diesel, paraffin, jet fuel, liquid tar, petrol (intermittently), mineral and vegetable oils etc, with varying degrees of success. Some users regularly replace seals and gaskets rather than use an expensive special purpose pump.

3) SOLIDS HANDLING

Designed to pump 10 mm diameter solids. The pumps are supplied with steel strainers having 6 mm diameter holes. Anything that goes through the strainer will not choke the pump. Strainers must be used with dirty water as large stones entering the pump will grind away and damage the impeller hub.

4) LIMITATIONS

The pumps cannot be used with liquids detrimental to the materials of construction as per 1) above, such as acids, slime dam water, insecticides, herbicides, fertilisers etc.

5) PUMPING DIESEL

There are about 17000 HYMECH pumps pumping diesel. The nitrile rubber and nitrile-PVC compound was tested and proved compatible with commercially available diesel in 1991. However, problems have been experienced as per this article appearing in the SUNDAY TIMES on 15/8/93. Replacing of seals and gaskets is relatively inexpensive if these swell or harden in time.

6) CONCLUSION

Locally manufactured HYMECH PUMPS are used in a variety of applications other than water. Being an inexpensive pump of a few hundred Rand they are often used in place of special purpose pumps costing many thousands of Rand. Obviously HYMECH cannot guarantee the performance of applications other than for water.

in diesel row

By DON ROBERTSON

has paid R38 400 to vehicle owners who claim its diesel fuel is sub-standard. It has received 64 claims for R53 800.

The company says its fuel is lower in aromatics and sulphur than diesel produced from crude oil. As a result, rubber seals in fuel pumps of certain vehicles shrink and leaks occur.

claims that new seals maintain their shape when using its diesel.

Mechanics in the Eastern Cape where the fuel is sold report many complaints about engines which do not come up to scratch when using diesel.

Users say its diesel results in engines smoking and losing power. Some users are said to add oil to the diesel, a dangerous practice.