

## Product Data Sheet

### **Mobil ATF 220** Automatic Transmission Fluid (Dexron II D)

#### **Product Description and Application**

Mobil ATF 220 is a premium quality automatic transmission fluid made from solvent refined mineral oils combined with a Viscosity Index improver and anti-oxidant, anti-wear, detergent, defoamant and friction modifying additives. It is suitable for use in those applications where Dexron II D fluids are recommended.

It is formulated to function as a power transmission fluid in torque converters, a hydraulic fluid in control and servo systems, a lubricant for bearings and gears, a friction controlling medium for the bands and clutches and a heat transfer medium to carry heat generated in transmissions to the gear case or oil cooler.

Mobil ATF 220 has a low pour point and, due to its high Viscosity Index, undergoes relatively small changes in fluidity, regardless of operating on ambient temperatures. This ensures excellent performance as a hydraulic medium, giving good operation under high temperature conditions and minimises power losses under cold conditions. The oxidation resistance and detergent properties reduce the possibility of deposit formation and lacquering on component parts, which can interfere with correct operation of the transmission unit and its control system. Mobil ATF 220 has excellent foam resistance, which minimises foam formation in service. It also has excellent anti-wear properties for planetary gears and thrust washers.

Smooth transmission operation depends upon perfect synchronisation of engagement and release, as the load is transferred from one unit to another and demands the use of a very light fluid having extremely high lubricating properties. Mobil ATF 220 is formulated with a balanced additive system to ensure optimum performance.

Mobil ATF 220 is recommended for most passenger car, commercial vehicle, cross-country and bus automatic transmissions. It is also recommended for most power steering systems, agricultural and general purpose hydraulic applications, and some manual transmissions where automatic transmission fluids are specified.

#### **Benefits**

Mobil ATF 220 offers the following benefits:

- Correct frictional characteristics give smooth transmission and perfect synchronisation
- Longer retention of frictional characteristics under continual severe operating conditions
- Protection against deposit formation and evaporation losses at high operating temperatures
- Excellent low temperature operation, ensuring prompt circulation of fluid
- Good protection, against wear, resistance to rust, corrosion and foam
- Compatible with seal materials used in transmission units
- Lower maintenance costs, and improved operating profit

## Specifications

Mobil ATF 220 is approved against or meets the following specifications and builder service fill requirements:

Allison Type C-4 ( Approval C4 21132295 )  
Caterpillar TO-2  
MAN 339 D  
Mercedes Benz sheet 236.6 / 236.7  
Voith (G607), Diwa, Diwamatic, Porsche, Renk, Volkswagen and Certoplan transmissions  
and torque converters  
ZF TE-ML-09 Power and Hydrostatic steering gearboxes in passenger cars  
ZF TE-ML-11 Automatic gearboxes in passenger cars  
ZF TE-ML-14 Ecomat torque converters in heavy duty vehicles

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Typical Characteristics

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### Mobil ATF 220

Viscosity, cSt at 40°C	38.8
Viscosity, cSt at 100°C	7.7
Viscosity Index min.	170
Brookfield Viscosity, cP at -40°C	39,400
Pour Point, °C max.	-44
Flash Point, °C min. COC	196
Colour	Red

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Due to continual product research and development, the information contained herein is subject to change without notice.

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