

## **Steam Oils - Product Information**

### **COMPOUNDED BEARING OIL 100, 150, 220, 460 & 680**

### **STRAIGHT BEARING OIL ALTO 220**

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## **Description**

This is a range of straight mineral and compounded oils for use in bearing applications associated with steam equipment. The compounded grades are manufactured with a small percentage of fatty oil to give properties not normally found in modern highly refined lubricants. These grades have superior lubricity and wetting power compared to conventional oils and will often maintain a stronger oil film in boundary in overload conditions and prevent failure.

## **Applications**

Morris Compound Bearing Oils are recommended for all total loss applications where the special properties of these oils are needed. They can be used for bearings, gears, slides, and general railway applications, and in these situations they can provide lubrication in wet conditions. They are also recommended for use in older types of railway rolling stock axle boxes with plain bearings. These grades have excellent feed characteristics for worsted wool wicks and axle bearing pads. The ISO 100 is specially recommended for use in the crankcase of West Country steam engines. All compounded grades meet the specification requirements of British Rail – MT276 schedule for locomotives running on BR lines.

Morris Alto 220 Straight Bearing Oil is specially recommended for its capillary action with fibre or cotton wick lubricators often found on older types of traction engines.

## **Physical Characteristics**

<b>Grade &amp; ISO Number</b>	<b>ALTO 220</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>460</b>	<b>680</b>
Specific Gravity @ 15°C	0.896	0.888	0.896	0.903	0.906	0.920
Viscosity at 100 °C cSt	18	10.7	14.4	19.0	30.0	36.2
Viscosity at 40 °C cSt	215	96	150	210	460	666
Pour Point °C	-10	-10	-10	-10	-8	-8
Flash Point (Closed)°C	220	200	210	220	225	225



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