

## ***DESCRIPTION:***

**Food and Pharmaceutical Oil. High purity, long life Oil designed for compressors, gearboxes, hydraulics, and chains, etc. 110 Is AQIS Type A1 (Australia), MAF C15 (NZ) and USDA H1 (USA) approved for specialised applications where incidental food contact could occur. Available in SAE 10, 20, 30, 90 (Synthetic), & 140 or ISO 32, 68, 100, 220 & 460. (Sae 90 Available in Aerosol).**

## ***CHARACTERISTICS:***

### ***Designed for Food Establishments.***

Mainlube 110 is an approved food lubricant specialised for use in factories where food processing for human or animal consumption (pet food) takes place. 110 Is designed for use in specialised applications where incidental lubricant contact with edible products or packaging materials could occur. Mainlube 110's formulation meets the criteria set out in the US code of Food and Drug Federal Regulations Title 21 part 178.3570. The components of 110 are of such a high quality that maintenance free performance can also be obtained in non food applications minimising inventory.

### ***Long Life Products***

110's Food quality oxidation inhibitors reduce damage to 110 from high heat applications extending lubricant service life. High temperatures can oxidise and thicken ordinary lubricants forming hard insoluble carbon deposits and acids.

### ***Wear Minimised***

110's Food rated E.P. anti-wear additives reduce friction and minimising wear extending machinery life.

### ***Suitable For all Types of Gear Box Applications***

Mainlube 110's E.P. additives will not damage copper, bronze or their alloys. 110's wide viscosity range means grades are available for all gear box applications.

### ***Corrosion Inhibiting Additives***

The anti-corrosion additives used in 110 prevent corrosion damage to valuable processing plants and subsequent contamination from metal corrosion by-products.

### ***Tackifiers Incorporated***

Tackifiers keep 110 on the application preventing food contact and lubricant wastage. This feature is important for food establishments operating chains, rails, conveyers or track systems as these are difficult lubricant retention areas.

### ***Water Resistant***

Rapid water separation is essential in hydraulics where oil water, emulsions can block filters causing oil starvation damaging valuable hydraulic pumps. 110's Excellent hydrolytic stability ensures good water separation preventing filter blocking emulsions and subsequent damage to Hydraulic Pumps.

***Mainlube 110 is made from ultra high purity Paraffin base stock. All 110's anti-foam, anti-wear, oxidation, bactericide and corrosion inhibiting additives are U.S.D.A. and FDA approved.***

## **APPLICATIONS:**

Mainlube 110 is suitable for areas where pharmaceutical, food or non-food grade lubricants are specified, areas like;

Compressors	Chains	Pumps Conveyors
Vacuum Pumps	Hydraulic Systems	Rollers
Rails	Plain Bearings	Hydraulics
Chains	Guides	Drives
Gear Drives	Splash and Circulated	Anti-Frictional Bearings
Vane, Reciprocating and Screw Compressors		

## **110 Is Suitable For The Following Applications.**

Hospitals      Food Processing Plants      Abattoirs      Bottling Industries      Canneries  
Pharmaceutical Companies      Bakeries      Cosmetic Manufacturing      Research Laboratories.

*Mainlube 110 food oil range is designed for use on food processing equipment as protective anti rust films, as a release agent on gaskets or seals for tank closures and for lubricating parts of machines where there could be incidental contact from the lubricant with edible products or packaging materials.*

## **Note Some Applications Could Require Caution.**

Some applications may not be able to hold a full incidental contact with edible product, **Type A AQIS Australia, C15 MAF NZ, H1 USDA USA** rating. Any applications where it is possible for 110 to be contaminated enough to jeopardise its ultra high purity would assume the **Type B AQIS Australia, C11 MAF NZ, H2 USDA USA** rating. If contact occurs under contaminated conditions it is the responsibility of the plant operator to consult with the regulatory authority concerned, (MAF, AQIS, USDA.), to check edible product quality. It is also the responsibility of the plant operator to ensure that the amount of lubricant used is the minimum required to accomplish the desired technical effect in food areas.

## **Mainlube 110 is classified**

**Type A AQIS Australia      C15 MAF NZ      H1 USDA USA**

**When applied to applications where there is no possibility of cross**

**Contamination with non food grade work place contaminants,**

**Eg: wear metals, normal lubricants, rust, non sanitary conditions, etc.**



# 110

## **SPECIFICATIONS:**

Mineral Base Oil for Sae 10 (ISO 32), Sae 20 (ISO 68), Sae 30 (ISO 100),  
and Sae 140 (ISO 460).

Synthetic Base Oil for Sae 90, ISO 220.

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**DISTRIBUTED BY:**



SB110-3 ABAC