



## Description

TALUSIA UNIVERSAL 100 has been designed specifically for the lubrication of modern Tier II and Tier III engines using high sulphur residual fuel oil. It is based on TALUSIA UNIVERSAL's pioneering chemistry, with a high BN of 100.

## Applications

All slow speed two-stroke engines, including Tier II and Tier III, running on high sulphur residual fuels.

## Marine Cylinder Lubricant

### Approvals

TALUSIA UNIVERSAL 100 was developed in close collaboration with OEMs and meets the requirements of MAN Diesel & Turbo, MHI and Win GD (Wärtsilä engines).

### Features and Benefits

TALUSIA UNIVERSAL 100 has very high acid neutralisation capacity. It neutralises sulphuric acid and prevents cold corrosion in modern two-stroke engines. It is able to efficiently maintain cylinder cleanliness and prevent engine damage when high sulphur heavy fuel oils (HSHFO) are being used, including over extended periods of intense engine operation.

## Typical Characteristics

	Methods	Units	UNIVERSAL 100
S.A.E. Grade			50
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	950
Kinematic viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	19
Flash Point (COC)	ASTM D 92	°C	> 230
Pour Point	ISO 3016	°C	- 6
BN	ASTM D 2896	mgKOH/g	100

Characteristics of this chart are indicative typical values.

### Handling, Health & Safety

TALUSIA UNIVERSAL 100 consists of highly refined mineral oils with specific additives. All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin or eyes. Prevent any risk of splashing, and keep away from combustible materials. Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available at: [www.quickfds.com](http://www.quickfds.com) and [www.totallubmarine.com](http://www.totallubmarine.com)