



## Description

TALUSIA UNIVERSAL is the original single oil solution, designed to lubricate engines using a wide range of fuels. Proven with millions of operating hours and used in thousands of vessels, its pioneering chemistry ensures optimum engine cleanliness and efficient acid neutralization.

## Applications

All two-stroke engines using fuels with a sulfur range of 0.0 to 1.5%.

Two-stroke engines using LNG and Dual Fuel.

## Marine Cylinder Lubricant

### Approvals

TALUSIA UNIVERSAL was developed in close collaboration with OEMs and meets the requirements of:

- + MAN ES (MAN B&W)
- + WinGD (Wärtsilä)
- + WinGD DF Validated
- + Japan Engine (UE Engines)

### Features and Benefits

TALUSIA UNIVERSAL is developed to simplify lubrication management. Its unique chemistry provides fast and efficient acid neutralization along with excellent engine cleanliness. It is a premium solution for the lubrication of all modern diesel and dual-fuel two-stroke engines using IMO 2020 and ECA compliant fuels.

In a range of tests, TALUSIA UNIVERSAL performed significantly better than the reference CLO for deposit control and general piston cleanliness, while maintaining excellent wear rates.

## Product Characteristics

	Methods	Units	UNIVERSAL
S.A.E. Grade			50
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	930
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	- 9
BN	ASTM D 2896	mgKOH/g	57

Characteristics of this chart are indicative typical values.

### Handling, Health & Safety

TALUSIA UNIVERSAL 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)