



High BN cylinder lubricant for residual fuels.

APPLICATIONS

All slow speed 2-stroke engines running on high sulfur residual fuels.

Suited to vessels fitted with exhaust gas post treatment systems.

FEATURES AND BENEFITS

Based on **TALUSIA UNIVERSAL**'s pioneering chemistry, with a high BN of 100.

TALUSIA UNIVERSAL 100 has very high acid neutralization capacity.

SPECIFICATIONS AND APPROVALS

✓	MAN ES (MAN B&W)	✓	Japan Engine Corporation (UE Engines)
✓	WinGD (Wärtsilä)		

TECHNICAL DATA : TALUSIA UNIVERSAL 100

CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES*
S.A.E. Grade	—	—	50
Density at 15°C	ISO 3675	kg/m ³	950
Kinematic viscosity at 100°C	ISO 3104	mm ² /s	19
Flash Point (COC)	ASTM D 92	°C	> 230
Pour Point	ISO 3016	°C	- 6
BN	ASTM D 2896	—	100

*The specifications above are for illustrative purposes and communicated for information only.

CUSTOMER BENEFITS

✓	TALUSIA UNIVERSAL 100 has very high acid neutralization capacity.
✓	It neutralizes sulfuric acid and prevents cold corrosion in modern 2-stroke engines.
✓	Efficiently maintains cylinder cleanliness and prevent engine damage when high sulfur heavy fuel oils (HSHFO) are being used.
✓	Especially suited to extended periods of intense engine operation.
✓	MAN ES Category II cylinder lubricant.

GENERAL RECOMMENDATIONS

COMPATIBILITY

Compatible with **generally available cylinder lubricants**.

Please consult your Total Marine Lubrication Engineer should you have any questions.

SHELF LIFE

5 years from date of manufacture.

STORAGE

This product should be stored under cover in clean, dry conditions and protected from frost.

Recommended storage temperature range is 5°C to 50°C.

Drums that are stored on deck should be raised on pallets and covered to protect from the elements.

Always check regularly for leakage.

COMPLIMENTARY PRODUCTS AND SERVICES

✓	Atlanta Marine D3005 — Crankcase lubricant for 2-stroke crosshead engines.
✓	WT Supra — Innovative and environmentally friendly cooling system inhibitor concentrate.
✓	Drain Oil Analysis — Comprehensive cylinder oil scrape down analysis examining the cylinder lubrication of the 2-stroke engine.
✓	DiagomarPlus — Laboratory based used oil analysis program.
✓	Tech'Care — Suite of onboard testing kits.

Total Lubmarine / 24-02-2021 / TALUSIA UNIVERSAL 100

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in can be obtained via your Total Lubmarine technical advisor or from sdstotalms.total.com

