TECHNICAL DATA SHEET

1. Product identification and description

PRODUCT NAME	ST Seal Core Plus
PRODUCT CATEGORY	Stern tube oil leakage treatment additive
SUPPLIER	AddVation ApS, Ellesøpark 25, 2950 Vedbæk, Denmark
CONTACT	info@addvation.com | +45 50 181 182 | www.addvation.com

ST Seal Core Plus is a mineral oil-based additive containing dispersed sealing particles. It is developed for controlled treatment of outgoing lip-seal oil leakage of 12 to less than 48 L/day in stern tube systems, subject to technical assessment.

2. Mode of action

During circulation, the oil carries the sealing PTFE-particles towards the leakage path, where they may accumulate and help form a sealing barrier. Performance depends on the system and operating conditions. The treatment does not replace mechanical inspection or permanent repair where required.

3. Compatibility

LUBRICANT	Mineral oil-based stern tube lubricants only. Do not use this formulation in EAL or bio-based lubricant systems.
SEAL MATERIALS	Mineral oil-compatible lip seals, subject to confirmation for the actual seal arrangement. Face seals require a separate assessment.

4. Application

Initial product dose: 8% of stated system oil volume up to 500 L; 4% over 500 L. Premix with an equal volume of system oil (1:1); total Initial Blend is 16% or 8% respectively. Top-Up Blend: 4% product / 96% oil by actual refill volume.
Plus filter guidance: 100 µm. Rating alone does not confirm particle passage. Follow the Vessel Treatment Plan and confirm the permitted filter configuration. Do not remove or bypass filters without vessel/OEM approval.

5. Technical and physical properties

Property	Typical / indicative value
Appearance / colour	White to off-white / light cream
Physical state at 20 °C	High-viscosity suspension / paste
Odour	Characteristic, mild oil-like
Density at 20 °C	Approx. 1.19 kg/L (indicative estimate)
Water solubility	Insoluble / negligible
Base fluid	Mineral oil-based
Apparent viscosity at 20 °C	Not applicable as a single value - non-Newtonian, shear-dependent paste
Recommended shelf life	24 months unopened under the stated storage conditions (recommended)

6. Packaging and storage

Standard packaging	**1 L | 3 L | 5 L | 10 L | 20 L | 25 L** Plus pack references: SP01 | SP03 | SP05 | SP10 | SP20 | SP25
Storage	Keep tightly closed in the original container. Store in a clean, dry environment at 5–30 °C. Protect from moisture, direct sunlight, excessive heat and freezing. Mix thoroughly before use if settling occurs.

7. Safety information

Refer to the applicable Safety Data Sheet for classification, PPE, spill response, transport and disposal information.