



Shell Naturelle S4 Grease U68AP 1.5

- Heavy Duty Protection
- Calcium Sulfonate Complex
- Offshore Applications

Heavy Duty multi-purpose offshore and jacking system grease.

Shell Naturelle S4 Grease U68AP 1.5 is a Calcium Sulfonate Complex based grease and is designed to be used in wide range of industry, offshore and specifically an array of heavily loaded gear applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Enhanced load-carrying and wear protection properties**
Contains additives to handle shock loads and sustained heavy loads.
- **Excellent mechanical stability even in challenging conditions**
Consistency retained during extended operating periods, even when exposed to severe mechanical shear and vibration.
- **Effective in wet conditions**
Ensures lasting performance even in the presence of large amounts of sea water, and provides excellent corrosion resistance.
- **Multi-season use or flexible seasonal change-overs**
Suitable for warm weather use (all ambient temperatures down to -20°C (-4°F)).
- **Excellent corrosion protection in salt water**

Main Applications



- Shell Naturelle S4 Grease U68AP 1.5 is primarily intended for the greasing of heavy-duty, slow-moving components and gears exposed to sea water and specifically for offshore jacking systems.

Specifications, Approvals & Recommendations

- OSPAR 'Yellow' Rating
For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Naturelle S4 Grease U68AP 1.5
NLGI Consistency				2
Colour				Beige
Thickener type				CaS Complex
Base Oil (type)				Semi-synthetic
Cone Penetration, Worked	@25°C	0.1 mm	IP 50 / ASTM D217	285
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	68
Dropping Point			°C (°F) minimum	260 (500)
4 Ball Weld Load			kg	800
Water Washout	@79°C	% maximum	ASTM D1264	5

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

Shell Naturelle S4 Grease U68AP 1.5 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

Recommended operating temperature range -20°C (-4°F) °C to +150°C (300°F)

- **Advice**

Advice on applications not covered here may be obtained from your Shell Representative