Technical Data Sheet

Previous Name: **Shell Nerita HV**

Shell Gadus *S5 V42P 2.5*

- *Extra Protection & Long Life*
- *High Speed*
- *Lithium*

Advanced Extreme Pressure Grease for High Speed Bearings

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Cost Savings via**

  Lower seal costs that result from the use of advanced XHVI base oils instead of PAOs and/or esters that are more compatible with seal materials allowing lower cost seals to be used while obtaining the same extended life.

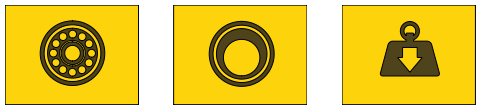
- Lower maintenance costs due to the extra long service life that can be obtained in electrical motors & high speed bearings that result from the use of an appropriate thickener and selected additive technology, developed & tested by Shell.
- Reduced cost due to the excellent performance in high speed machine tool bearings that usually employ far more expensive greases from specialist companies, this performance results from the leading edge technology that comes from investing continuously in Grease R&D.
- **Peace of Mind via**

  The proven nature of the technology, that is evident from the approval by leading companies such as SNR, ABB, in a range of applications which grows every year.

- The knowledge that Shell is in FULL control from Research & Development to manufacture & quality assurance in our own ISO approved plants, which are regularly audited and passed by quality conscious customers buying Shell Gadus S5 V42P.
- Availability of Shell expertise, to assist in safely developing the cost savings available from the wide range of Shell products
- No Health & Safety concerns, as Shell Shell Gadus S5 V42P is free from any harmful component vs EC requirements.
- **Convenience via**

  Guaranteed suitable lubrication of equipment world-wide, as this product is part of the International SeaShell range of products, which can be found throughout the world, and is actually used for electrical motor bearings in Shell oil rigs and refineries world-wide.

Main Applications



- **General Engineering, Autocomponents**

  Electrical motors, high speed bearings (loaded & unloaded), high speed machine tool bearings, bearings of industrial fans, wheel bearings requiring high Dm ratings

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical physical characteristics

Properties			Method	Shell Gadus S5 V42P 2.5
NLGI Consistency				2.5
Colour				Light Brown
Soap Type				Lithium
Base Oil (type)				Special Mineral (synthetic like)
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	42
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	8
Dropping Point		°C	IP 396	180
Cone penetration, Unworked	@25°C	0.1mm	IP 50 / ASTM D217	255

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 Gadus S5 V42P 2.5 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 Material Safety Data Sheet, which can be obtained from http://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

- **Operating Temperature Range**

  Shell Gadus S5 V42P is recommended for use over the temperature range -30°C to 130°C

- **Advice**

  Advice on applications not covered here may be obtained from your shell representative.