



Previous Name: Shell Stamina Grease EP

# Shell Gadus S3 T220

*Premium Multipurpose Extreme Pressure Grease*

- *Extra Protection*
- *Extreme Temperature*
- *Polyurea*

## Customer Benefits

### Cost Savings via

- Reduced grease consumption at high temperatures, as grease resists melting and subsequent leakage, due to the use of the latest diurea thickener technology developed by Shell's "in house" expertise in Japan
- Reduced maintenance costs since lower bearing replacement rates can be achieved, due to the excellent anti wear properties that are available from the latest technology diurea thickened greases.
- Lower total labour costs, due to the extended lubrication intervals & less downtime that results from using the latest in high performance greases
- Avoidance of synthetic products which can have detrimental effects on cages & seals, when high quality mineral oil based products OUTPERFORM in terms of life even fully synthetic Lithium complex greases
- Simplified maintenance programs can be established, resulting from the multi purpose capabilities of this grease and long service lives that are possible,

### Peace of Mind via

- Proven new technology (not to be confused with 25 year old American polyurea greases), developed in Japan and now being used by bearing manufacturers throughout the world
- The knowledge that Shell is in FULL control from Research & Development to manufacture & quality assurance in our own ISO approved plants, which have often been audited and passed by quality conscious customers
- Availability of Shell expertise, to assist in safely developing the cost savings available from the wide range of Shell products
- No unexpected Product Health & Safety problems, Shell Gadus S3 T220 is free from lead & nitrite & does not require labelling.
- Proven product that has been demonstrated to work in a range of field applications, it benefits from the wide experience gained with Shell Gadus S3 T100.

### Convenience via

- Use of the same grease whatever the lubrication mode, as Shell Gadus S3 T220 is the grease used for the automatic single point lubricator *Shell Tactic EMV*.
- Guaranteed suitable lubrication of equipment world-wide, as product is part of the International SeaShell range of products, which can be found throughout the world
- Availability wherever required, Nationally & Internationally (Shell now markets lubricants in more than 100 countries)

## Key Industry Sectors & Applications

- General Engineering, Steel, Paper, Aluminium, Chemical and many others

Recommended as an extreme pressure grease for highly loaded ball, roller & plain bearing applications at high temperatures where extended service life is required. Proven in the following applications:

- Hot strip mills
- Paper mill bearings (dry end)
- Electrical motors (large)

### **Operating Temperature Range**

Shell Gadus S3 T220 is recommended for use over the temperature range -10°C to 160°C (even upto 180°C with suitable adjustment of re lubrication interval)

### **Health & Safety**

Shell Gadus S3 T220 is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained. For further guidance on Product Health & Safety refer to the appropriate Shell Material Safety Data Sheet

### **Advice**

For advice on applications not covered in this leaflet may be obtained from your Shell Representative

### **Typical Physical Characteristics**

Shell Gadus	S3 T220
NLGI Consistency	2
Colour	Light Brown
Soap Type	Diurea
Base Oil (type)	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	220 19
Cone Penetration Worked @ 25°C 0.1 mm (IP 50/ASTM-D217)	280
Dropping Point °C (IP 132)	260
Pumpability Long distance	Fair

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

For more information please contact your Shell Marine Products Representative or refer to the Port Services Guide on our website: [www.shell.com/marine](http://www.shell.com/marine). Shell is not liable for application/advice errors when Product Data Sheets/Material Safety Data Sheets are obtained from non-official sources/sites other than the official website as shown above.