Technical Data Sheet

Formerly Known As: **Shell Retinax Grease CSZ, Shell Ossagol V**

Shell **Gadus** *S4 V45AC 00/000*

- Improved Efficiency
- Centralised Systems
- Red Lithium Calcium

Advanced Multipurpose Grease

Shell Gadus S4 V45AC Grease is a fluid grease for use in centralised lubrication systems. This grease is based on highly refined mineral as well as selected synthetic base oils, extreme-pressure and other carefully selected additives to provide excellent protection in all conditions.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Good pumpability**
  No line blockages even at very low temperatures down to -45°C or under moderate pressure.
- **Good water resistance**
  Withstands washing with water, preventing loss of protection.
- **Effective extreme-pressure properties**
  Efficient lubrication of heavily loaded components, FZG (A/2,8/50) Load stage >12.

Specifications, Approvals & Recommendations

- MAN 283 Li-P 00/000
- MB approval 264.0
- Willy Vogel

Main Applications



- Centralised chassis lubrication systems on trucks and buses or other “one-shot” systems.
- Pneumatic tools.

Typical physical characteristics

Properties			Method	Shell Gadus S4 V45AC 00/000
NLGI Consistency				00/000
Colour				Red
Soap Type				Lithium Calcium
Base Oil (type)				Part Synthetic
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	40
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	7
Cone penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	440
Pumpability Long Distance				Very Good

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 S4 V45AC Grease 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 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**

  From -40^{0}C to 120^{0}C

  Upper temperature limit: 130^{0}C (Short periods)

- **Dispensing**

  Shell Gadus S4 V45AC Grease is easily dispensed through standard lubrication equipment

- **Advice**

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