

SHELL GADUS S2 V220

HIGH PERFORMANCE MULTI-PURPOSE EXTREME PRESSURE GREASE

RECOMMENDED REPLACEMENT FOR SHELL ALVANIA EP (LF)
AND SHELL RETINAX CS, CP

DESIGNED TO MEET CHALLENGES



Shell Gadus S2 V220 greases are high quality multi-purpose, extreme-pressure greases based on a blend of high viscosity index mineral oils and a lithium hydroxystreate soap thickener and contain extreme-pressure and other proven additives to help enhance their performance in a wide range of applications.

Shell Gadus S2 V220 greases are designed for multi-purpose grease lubrication of rolling element and plain bearings as well as hinges and sliding surfaces such as those found throughout most industrial and transport sectors.

PERFORMANCE FEATURES

OUTSTANDING LOAD CARRYING CAPACITY

- Shell Gadus S2 V220 greases contain special extreme-pressure additives which enable them to withstand heavy and shock loads without failure of the lubricant film.

IMPROVED MECHANICAL STABILITY

- This is particularly important in vibrating environments where poor mechanical stability can lead to grease softening with subsequent loss of lubrication performance and leakage.

GOOD RESISTANCE TO WATER WASH-OUT

- Shell Gadus S2 V220 greases have been formulated to offer resistance to water wash-out.

OXIDATION STABILITY

- Specially selected base oil components have excellent oxidation resistance. Their consistency will not alter in storage and they withstand high operating temperatures without hardening or forming bearing deposits.

ANTI-CORROSION PROTECTION

- Shell Gadus S2 V220 greases have an affinity with metal and have the ability to protect bearing surfaces against corrosion, even when the grease is contaminated with water.

APPLICATIONS

SHELL GADUS S2 V220 IS DESIGNED FOR:

- Heavy-duty bearings and general industrial lubrication.
- Heavy-duty plain and rolling element bearings operating under harsh conditions including shock loading in wet environments.
- Operation over the temperature range -20°C to 100°C for bearings operating at 75% of the maximum rated speed (can withstand up to 120°C intermittently).

SHELL GADUS S2 V220 GREASE 1 IS DESIGNED FOR:

- Heavy-duty bearings served by centralised dispensing equipment.
- Extreme-pressure gear grease for applications at normal ambient temperature.
- Heavy-duty plain and rolling element bearings operating under harsh conditions including shock loading in wet environments.
- Low temperature greasing applications.

SHELL GADUS S2 V220 GREASES 00 AND 0 ARE SPECIFICALLY DESIGNED FOR:

- Steel mill lubrication where a softer grease is necessary for specialised dispensing systems.
- Heavy-duty plain and rolling element bearings operating under harsh conditions including shock loading in wet environments.

RE-GREASING INTERVALS

- For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed.

NOTE: Care should be taken to ensure that the grease does NOT come into contact with hydraulic brake rubber components.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

MEETS THE FOLLOWING SPECIFICATIONS:

- British Timken specification for Steel Mill applications.

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	00	0	1	2
Soap Type	Lithium	Lithium	Lithium	Lithium
Base Oil	Mineral	Mineral	Mineral	Mineral
Kinematic Viscosity (IP 71/ASTM D 445)				
@ 40°C mm^2/s	220	220	220	220
@ 100°C mm^2/s	19	19	19	19
Dropping Point $^{\circ}\text{C}$ (IP 396)	–	–	180	180
Cone Penetration worked at 25°C 0.1mm (IP 50/ASTM D 217)	400–430	355–385	310–340	265–295