





# Shell Alvania WR

**Premium, water resistant, extreme pressure grease**

BASE OIL VISCOSITY		NLGI	TEMP RANGE	WATER RESISTANCE	RELATIVE SERVICE LIFE	EP	SOLID LUBRICANTS
40°C	100°C	0,1 & 2	-20°C to +130°C				
160 cSt	15 cSt						

## Customer Benefits

### Cost Savings via

- Reduced grease consumption versus high quality lithium greases, due to excellent adhesiveness, better *resistance to washout* & softening under vibrations (up to –30% as proven in steel mills, compared to lithium greases).
- Lower maintenance costs and labour costs due to prolonged bearing operation / less downtime that is possible when high quality, superior products are used

### Peace of Mind via

- No unexpected Product Health & Safety problems, as Shell always formulates with current & future HSE legislation in mind, thus Alvania WR is free from lead & nitrite & does not require labelling (vs EC requirements)
- Proven products that have been demonstrated to work in a range of field applications, giving them the pedigree expected from the largest Grease marketer in the world
- Shell brand which guarantees professional standards & guaranteed back up whatever the lubrication problem.

### Convenience via

- One supplier for all requirements, reduces administration time and simplifies way of working.
- Widely available, as Alvania WR is part of the International SeaShell portfolio.

## Key Industry Sectors & Applications

- Steel

Heavy-duty plain and rolling element bearings operating in the following environments:

- Water rich environments
- Heavy/shock loads

e.g., hot rolling bearings, conveyor bearings,..

The lower NLGI 0 & 1 grades are usually used when good pumpability is required in centralised systems with very long lines, such as those found in steel mills. The NLGI 0 grade is suitable for semi-sealed gearboxes when water contamination is an issue.

**Shell, No. 1 in Grease World-wide**

### **Operating Temperature Range**

Shell Alvania WR is recommended for use over the temperature range -20°C to 130°C (140°C peak)

### **Health & Safety**

Shell Alvania WR 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 Alvania Grease	WR	WR	WR
NLGI Consistency	0	1	2
Colour	Light brown	Light brown	Light brown
Soap Type	Lithium/ Calcium	Lithium/ Calcium	Lithium/ Calcium
Base Oil (type)	Mineral	Mineral	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	160 15.5	160 15.5	160 15.5
Dropping Point°C (IP 322/ASTM-D566-76)	170	170	180
Cone Penetration Unworked @ 25°C 0.1 mm (IP 50/ASTM-D217)	370	325	277
Pumpability Long distance	Good	Fair	Poor

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

***Shell, No. 1 in Grease World-wide***