

# MAK UNIVEX CD

## Chassis grease for automotive applications

MAK Univex CD is a high quality calcium based grease formulated using superior quality base oil and specially selected additives. It offers good resistance to oxidation, and thermal degradation. MAK Univex CD exhibits excellent water resistance property and moderate drop point. It also provides excellent protection against rust and corrosion. MAK Univex CD has a semi-fluid consistency and therefore exhibits excellent flow-ability even at low temperatures and efficiently lubricates the hard to reach points of automotive chassis.

**Grades:** MAK Univex CD is available in the following NLGI grades – **1**.

### Applications:

MAK Univex CD is recommended for general chassis lubrication. It is an ideal solution for lubrication of chassis of all types of vehicles – passenger, commercial, tractors etc. MAK Univex CD is not recommended for applications where heavy or shock loading occurs. In such cases extreme pressure greases are preferred.

### Performance/ Benefits:

**High Oxidation and Thermal Stability** – offers high resistance to oxidation and thermal break down. Ensures reliability, enhances operating life and lowers maintenance.

**Excellent Water Resistance** – does not get washed away due to water sprays coming in contact with chassis lube points thereby making it the most ideal chassis grease.

**Very Good Mechanical Stability** – possesses excellent mechanical stability which helps in avoiding loss of consistency and any leakages during severe operations.

**Outstanding Dispensing Properties** – the semi-fluid consistency of the grease helps in easy dispensing by lubrication systems and efficiently lubricates the hard to reach lube points in automotive applications.

**Excellent Rust Protection** – protects the bearing components from any chances of rust and corrosion in aqueous environments thereby reduces maintenance cost and enhances their life.

**Good Adhesion** – smooth and adhesive properties provide a strong protective layer on exposed parts/ components for extended periods.

### Performance Level/ Specification:

- IS 506 : 1993 (Grade 1) (Reaffirmed 2016)

### Typical Physico-Chemical Data: MAK Univex CD

Characteristics	Method	Value
NLGI Grade	-	1
Appearance	Visual	Smooth
Color	Visual	Dark Brown
Type of Thickener	-	Calcium
Worked Penetration, @ 25°C, 60 strokes	ASTM D217	320
Drop Point, °C	ASTM D2265	100
Operating Temperature Range, °C	-	-20 to 60
Kinematic Viscosity of Base Oil at 40°C, cSt	ASTM D445	90
Free Organic Acidity (as oleic acid), % by mass	P:53	0.2
Free Alkalinity (as CaOH <sub>2</sub> ), % by mass	P:53	0.1
Copper Corrosion at 100°C for 24 hrs.	ASTM D4048	Negative

### Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 2 yrs. under protected conditions.

### Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the grease from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.