



## PRODUCT DATA SHEET

# ANDEROL 86 EP-2

## Calcium Sulfonate Complex Grease NLGI-2



### ADVANTAGES/BENEFITS

- Superior mechanical stability, particularly in the presence of heat and water
- Formulated to resist separation under centrifugal forces.
- Excellent rust prevention properties.
- Excellent load carrying ability and wear protection
- Excellent resistance to water washout and spray-off.
- Suitable grease for high speed bearings.
- Suitable for automotive and truck wheel bearings and chassis components.
- Excellent Electric Motor bearing Grease.
- Heavy duty industrial applications, e.g. Steel Mills.

### APPROVAL

Exceeds the requirements for NLGI GC/LB certification for use in automotive and truck wheel bearings and chassis components.

**ANDEROL 86 EP-2** is a member of a family of technologically advanced greases which have been developed by complexing modified over-based calcium sulfonates. This technology, developed and patented by Chemtura, is characterized by exceptional mechanical stability, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium Complex, Aluminum Complex and Polyurea.

**ANDEROL 86 EP-2** exceeds the requirements for NLGI certification and equals or outperforms many other premium greases in high-speed applications.

PROPERTIES	TEST METHOD	ANDEROL 86 EP-2
Color	visual	Brown
Texture	visual	Smooth
NLGI Grade		2
Thickener		Ca-Sulfonate
Consistency, 60 strokes	ASTM D-217	280
Type of Base Oil		Mineral
Mechanical Stability:		
- Worked 100,000 strokes, % change		2.4
- Worked 10,000, strokes, with 50/50 water, %		8.0
Timken OK Load, kg	ASTM D-2509	27.2
4-Ball EP: LWI, kgf	ASTM D-2596	62
Weld Point, kg		500
4-Ball Wear, mm	ASTM D-2266	0.42
Fretting Wear, mg	ASTM D-4170	5.7
Rust Test, rating	ASTM D-1743	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B-117	>300
Wheel Baring Leakage, grams	ASTM D-4290	4.0
Bomb Oxidation, psi drop after 1000 hours	ASTM D-942	9.0
Water Resistance at 80° C, % removed	ASTM D-1264	0.5

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### HANDLING AND STORAGE

**ANDEROL**® lubricants generally present little hazard in normal handling if ordinary care is exercised. If spilled, cover with inert, absorbent material and remove. Flush the area with water.

Although **ANDEROL**® lubricants are not highly flammable, they will burn and should be kept away from open flames. In case of fire, use water spray, foam, carbon dioxide, or dry chemical.

**ANDEROL**® lubricants should be stored preferably in protected locations to prevent contamination. Do not re-use drums; flush and send to re-conditioner.

PROPERTIES	TEST METHOD	ANDEROL 86 EP-2
Elastomer Compatibility	ASTM D-4289	
- AMS 3217 / 3B CR Type 70 hours @100°C		
Percent Swell		+15.70
Hardness Change, Durometer A points		-6
- AMS 3217 / 2B NBR-L Type 70 hours @ 150°C		2
Percent Swell		+8.9
Hardness Change, Durometer A points		-4
Oil Separation, % loss	ASTM D-1742	0.2
Low Temperature Torque at -40°C,	ASTM D-4693	12.0 Nm
Operating temperature for long-term lubrication		-20 to +160° C
Short time admissible temperature peak value		+200° C
Dropping Point	DIN ISO 2176	318° C
Worked Penetration	ASTM 2265	265 to 295 0.1 mm
Base Oil Viscosity at 40°C	DIN 51.562	Approx. 135 mm <sup>2</sup> /s
Bearing Life performance, 1000 rpm, 160°C	ASTM D-3527	100 hours
Designation	DIN 51.502	KP 2 U-40

FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

### REGISTRATIONS

