

# SHELL GADUSRAIL S2 TRACTION MOTOR BEARING GREASE

HIGH PERFORMANCE TRACTION MOTOR BEARING GREASE

REPLACES SHELL CYPRINA RA

DESIGNED TO MEET CHALLENGES

Shell GadusRail S2 Traction Motor Bearing Grease is one of Shell's highest quality lithium soap-based greases. It is manufactured to specifications that provide excellent mechanical stability and long service life. These properties are needed for many critical anti-friction bearing applications. Shell GadusRail S2 Traction Motor Bearing grease is a NLGI Grade 3 grease formulated using mineral base oils.

## PERFORMANCE FEATURES

- n Outstanding mechanical stability.
- n Long service life.
- n Friction reducer.
- n Fill-for-life capability.

## APPLICATIONS

- n Traction motor bearings of General Electric locomotives and those previously made by General Motors Electromotive Diesel.
- n Prepackaged anti-friction bearings intended for 'life-time' service without relubrication, a feature highly desired by the railroad industry.

## SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

MEETS THE REQUIREMENTS OF:

- n General Electric
- n General Motors Electromotive Division (EMD).

## TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	
Viscosity of Base Oil (ASTM D 445)	
@ 40°C mm <sup>2</sup> /s	93
@ 100°C mm <sup>2</sup> /s	10.2
Appearance	Amber, Buttery
NLGI Classification	3
Worked Penetration @ 25°C	
0.1mm (ASTM D 217)	230
Dropping Point °C (ASTM D 566)	198
Wheel Bearing Leakage @ 160°C g (ASTM D 1263)	1.1
Oil Separation, 24hr @ 100°C % (FTM 321)	0.6
4 Ball Wear Scar mm	
1hr/75C/1200rpm/40kg (ASTM D 2266)	0.6