

# Locomotive

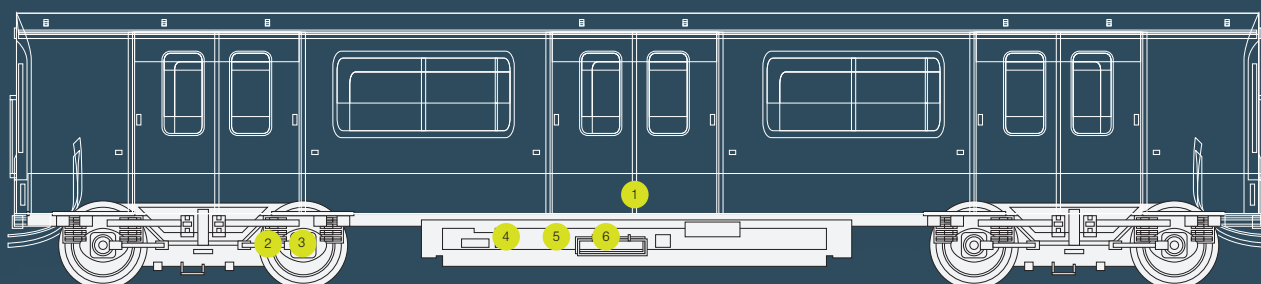
## Lubrication Solutions

For Safe and Reliable Performance



Tecsia Lubricants offers high-performance lubricants that provide vital benefits to enhance your railway performance: extended relubrication and maintenance intervals, longer service life of components, more reliable railway services and reduction of operating costs and unscheduled downtimes compared with conventional products.

### Critical Points of Lubrication



#### 1 Carriage Door System

##### Air Compressor

TACBECON® SSC 100

A highly refined synthetic compressor oil is formulated with advanced additives to outperform other mineral-based oils.

Meet OEM specifications  
- HITACHI BEBICON

##### Bearing and Spindle

TACBECON® CRP Series

A premium synthetic grease thickened with polymer designed to provide long-term lubrication in outdoor operating condition.

#### 2 Railway Track System

##### Rail Flange

TECTYL CR 5000 BD

A high-performance biodegradable grease formulated with synthetic vegetable ester specially offers long-term lubricity. Meet stringent environmental requirements.

#### 3 Boogie

##### Assembly Paste

TACBECON® PG PLUS

A synthetic anti-seize paste formulated with high solid contents to assist and facilitate the ease of assembly for parts and components.

##### Gear Coupling

TACBECON® SCG 100S

Formulated for medium to low speed, heavy duty gear couplings. It has high adherence property and do not dry out easily. It can perform in demanding and all-weather conditions.

##### Gearbox

TACBECON® SYN GEAR S90

Designed with advanced additive technology to provide excellent protection against wear, scuffing and micropitting fatigue.

##### Rust Prevention

TECTYL 506-EH WD

Excellent for long-term protection of metallic surfaces against corrosion. Specially designed for locomotive interior & underbody metal surface.

##### Traction Motor Bearing

TACBECON® SGH 200S

A high performance grease formulated to operate in high loads, high temperature and wet conditions.

#### 4 Air Brake System

##### Electric Motor Bearing

TACBECON® SGH 200S

A high performance grease formulated to operate in high loads, high temperature and wet conditions.

##### Braking Compressor

ANDEROL 3057M

Full synthetic compressor oil designed to resist oxidation, reduce deposit and varnish.

Approvals

- KNORR BREMSE  
- SAB WABCO

#### 5 Contactor

##### High Speed Circuit Breaker

TACBECON® TS 330

A dielectric grease offers excellent anti-corrosion, high temperature resistance and high dielectric strength.

#### 6 Air Conditioning System

##### Refrigeration Compressor (R22)

MATRIX CFC 68

A wax-free high performance refrigeration compressor oil that offers excellent stability and prevents solid formation in the evaporator and expansion valves.

##### Refrigeration Compressor (R134a / R407c)

MATRIX COOLMAX POE 68

A high performance HFC compressor oil, based on full synthetic POE, provides excellent miscibility and oil return from the evaporator to the compressor.

Meet OEM specifications  
- CARLYLE COMPRESSOR