



# DYNATRANS GEA 680



**Fully synthetic lubricant (PAO) for electric wheel motor gearing.**

## SPECIFICATIONS AND APPROVALS

### International specifications

- ✓ DIN 51 517-3 : CLP
- ✓ ISO 6743-6 : CKD

### Manufacturers' approval

- ✓ General Electric (GE) Transportation System specification D50E35E (in progress)

## APPLICATIONS

TOTAL DYNATRANS GEA gear oil is suitable for use in **spur, helical, bevel, and most types of industrial hypoid gearing.**

It is also suitable for **ball, roller and other types of antifriction bearings.**

TOTAL DYNATRANS GEA has been tailored to meet demanding electric wheel motor gear requirements.

This technology combines synthetic base stocks offering exceptional oxidation and thermal properties, required for gear and bearing applications operating under severe conditions.

## PERFORMANCES AND CUSTOMER BENEFITS

- Due to extreme pressure properties, TOTAL DYNATRANS GEA provides wear protection in heavily loaded operations. (Excellent load carrying capacity)
- Provides excellent lubricity and low coefficient of friction properties.
- Corrosion inhibitors to protect bronze, copper and steel metallurgy.
- Extended TOTAL DYNATRANS GEA lubricant life and extended service intervals may eliminate seasonal oil changes, minimising lubricant use and disposal costs.
- Provides good compatibility with conventional seal materials, such as nitrile, fluorocarbon, and polyacrylate, provided the seals are used within their temperature capability.
- Very high viscosity at high temperature for a safe usage during Summer
- Very low Pour Point allowing the use throughout the year, even in Winter time

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

TOTAL DYNATRANS GEA		Method	ISO VG 680
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	680
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	71
Viscosity Index	-	ASTM D2270	181
Flash Point	°C	ASTM D92	262
Pour Point	°C	ASTM D97	-42
Scuffing test	Fail stage	FZG A/8.3/90	> 13

\* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.

### TOTAL LUBRIFIANTS

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### TOTAL DYNATRANS GEA 680

Update 05/2016

[www.lubricants.total.com](http://www.lubricants.total.com)



This lubricant does not cause adverse health effects when used in the intended application.

A safety datasheet is accessible on request from your local dealer or on the website [www.quickfds.com](http://www.quickfds.com)