NTN Technology for ECOLOGY

Everything that can be done for the global environment...
NTN is there.

地球環境のためにできること。
NTNは、そのすべてに取り組みます。

The development of automobiles that take the environment into consideration has been accelerated at a rapid pace.
At NTN, in order to answer today's environmental needs, like more efficient operation and further improved fuel efficiency, we work each and every day towards offering products that are more compact, lighter in weight, have a longer life and lower friction, and that use fewer materials that might have a negative impact on the environment.

環境へ配慮した自動車の開発が加速して進められています。
NTNでは効率的な走行や燃費向上など環境ニーズに応えるため、
小型・軽量、長寿命、低フリクション並びに環境負荷物質削減に日々取り組んでいます。

With constant velocity joints for automotive use, performance demands are different depending upon the type of joint and the location that they are used. So, at NTN, we develop special, environmentally-conscious lead-free grease in accordance with each type of constant velocity joint and each differing application, so that each one of our joints can sufficiently demonstrate its maximum level of performance, like durability, flake-resistance and NVH (Noise, Vibration, and Harshness) characteristics.
Furthermore, as a pioneer in constant velocity joints, NTN is contributing to the protection of the global environment by answering the demand for lighter, more compact and higher performance products in order to reduce fuel consumption, as well as by providing environmentally-considerate products that strictly adhere to both domestic and international environmental standards.

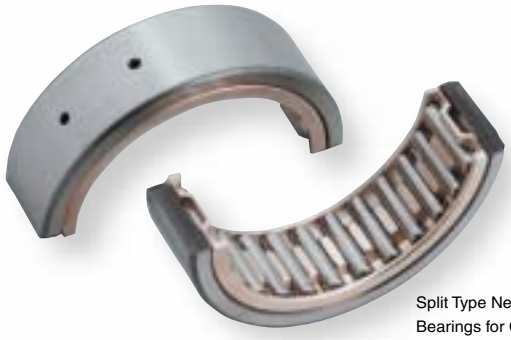
自動車用等速ジョイントは、その種類や使用箇所によって異なった性能が要求されます。
その一つとして、NTNでは等速ジョイントに合わせた専用の「環境対策無鉛グリース」を開発し、耐久性や耐フレーキング性及びNVH（騒音、振動、乗り心地）特性など、それぞれの等速ジョイントがその高性能を十分に発揮できるようにしています。
更に、等速ジョイントのパイオニアとして、低燃費化のための小型化・軽量化・高性能化のニーズにお応えするとともに、日本及び海外の環境規制に適合した製品を提供し、地球環境の保護に貢献していきます。

Constant Velocity Joints for Halfshaft
ハーフシャフト用等速ジョイント（フロント）

On the other hand, by applying the special heat-treatment "FA processing" technology originally developed by NTN to standard bearing steel, we have been able to produce more compact, lighter weight and longer-lived bearings. Through further improvements in design and by turning sliding bearings into roller bearings, we are also able to develop a wider variety of low friction products.

一方、軸受ではNTNが独自に開発しました特殊熱処理技術「FA処理」を標準軸受鋼に適用することで軸受の小型・軽量、長寿命を実現できます。また、設計改良や滑り軸受の転がり化により、低フリクションの製品を各種開発しています。

High-Rigidity and
Super Low Torque Tapered
Roller Bearings
高剛性・超低トルク円すいころ軸受



Split Type Needle Roller
Bearings for Crankshaft
クランクシャフト用
分割式ニードルローラベアリング