

## Categories

[Energy and Environment](#), [Automotive](#), [Nanofluid](#)

## Technology & Applications

The graphene enhanced engine oil for automotive application comprises of reduced graphene oxide additive blended with base oil 10W40. Formulation can be adapted for other grades of base oil.

## Advantages

- The graphene-enhanced engine oil exhibits the most suitable properties, especially lower evaporation loss
- The lower amount of wear metal of lead (Pb) and almost all of contaminants & additives in graphene lubricants indicated that it has better wear resistance compared to base lubricant (without graphene)

## Intellectual Property

Patent: PI2020004119 Graphene-enhanced Engine Oil For Automotive Application

## Market Size

## Inventors

Dr. Lee Tai Kyu  
(Nanopac Korea)

## Technology Partners

Nanopac (M) Sdn Bhd

## Gallery

Graphene  
Additive



Graphene  
Engine Oil

## External Links

[Technology Partner](#)

## Next Steps?

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