

Categories

Energy and Environment

Solution

This invention solved problem in automotive industry where conventional additives have reached threshold limit in terms of performance e.g. anti-wear and thermal properties.

Technology & Applications

Infinoil nanolubricants are advanced automotive lubricants (ex: 10W40 engine oil) that offer outstanding engine protection and engine performance. This outstanding achievement leads to improving engine efficiency in automotive and industrial applications.

Advantages

- Reduce friction and tear by about 30% compared to conventional engine oil
- Reduce engine deposits and sludges, increase engine efficiency, and extend oil life (enhanced oxidation stability)
- Increase thickening resistance of the oil (no change in viscosity), maintain superior wear protection and lubricating properties, and maximize fuel efficiency
- Enhance the thermal conductivity (heat transfer) by about 60%

Intellectual Property

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