



NanoLub[®]

Engine Oil Additive

Anti-wear & Anti-friction



RC-S Product Family:

NanoLub[®] Classic

NanoLub[®] Sport

NanoLub[®] 4x4 Terrain

NanoLub[®] Bike

NanoLub[®] Truck

NanoLub[®] Heavy Duty

NanoLub[®] Marine

NanoLub[®] Industrial



EXTEND
ENGINE
LIFE



LOWER
SERVICE
REQUIREMENTS



EASIER
COLD
IGNITION



REDUCE
ENERGY
CONSUMPTION



REDUCE
ENGINE
NOISE



IMPROVE
POWER & TORQUE
PERFORMANCE



REDUCE
HARMFUL
EMISSIONS

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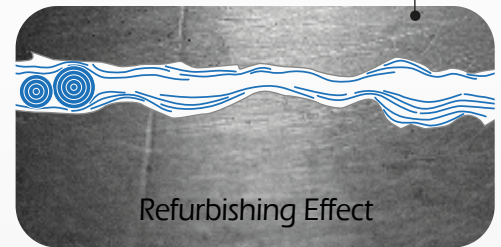
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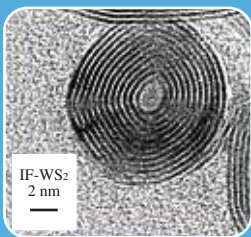
NanoLub® | Product Data Sheet

Anti-Wear & Anti-Friction Engine Oil Additive

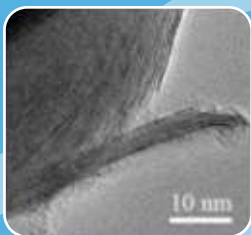
Dual-Effect Active Material



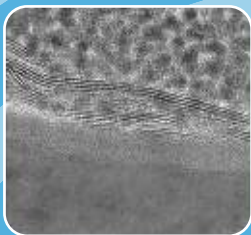
How NanoLub® “Dual Action” Works



Multi-layered nanosphere particles reduce friction



Under stress, nanoparticles exfoliate tribofilm lamellas



Tribofilm lamellas fill and refinishes damaged surfaces

Description

NanoLub® engine oil additive is a new generation surface-reconditioning nano lubricant for engine oil.

Featuring a unique “dual action” effect: multi-layer WS₂ nanospheres lower friction and heating, thereby reducing mechanical wear.

At the same time, friction causes nanospheres to release tribofilms that attach to surface crevices and refinishes them, thereby extending mechanical efficiency and apparatus life.

NanoLub® engine oil additive is based on formulated synthetic oil concentrate mixed with NIS' proprietary super strong tungsten disulfide (WS₂) multi-layered nanofullerene particles.

Applications

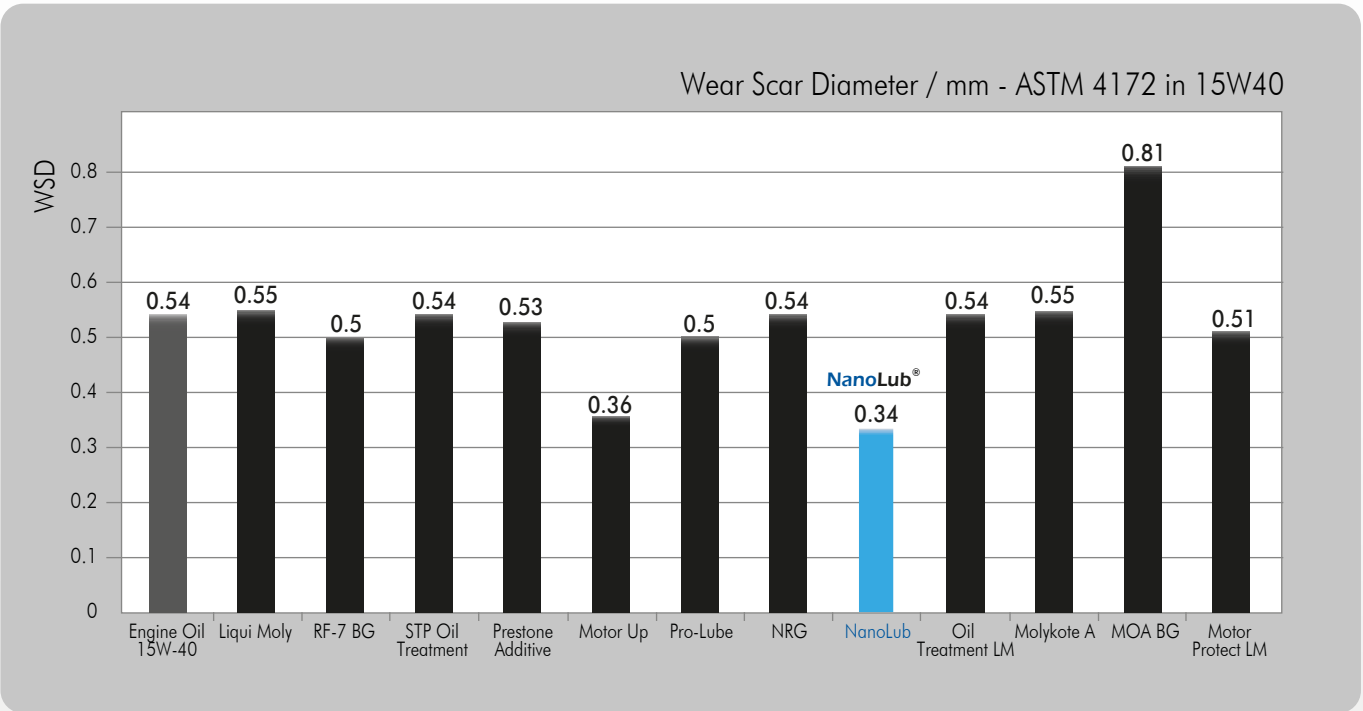
- Engine oil treatment for automotive and generator 4-stroke engines. Including private cars, trucks, industrial engines, boats & motorbikes.
- Suitable for all types of engines: gasoline & diesel, modern or classic.
- Suitable for all types of oils: synthetic, semi-synthetic or mineral.
- Can be used as an AF/AW additive as part of the additives package of fully-formulated ready to use engine oil or as a top up after market product.

Key Features

- Unique nanotechnology minimizes engine wear - special formula creates a tenacious tribofilm that remains even after oil change, protecting your engine. This means longer equipment life and extended maintenance intervals.
- Especially formulated for low friction - significantly reduces friction in engines in comparison to traditional lubricants.
- Two-in-one solution. No need for two separate additives; simpler and less expensive to use with added benefits.

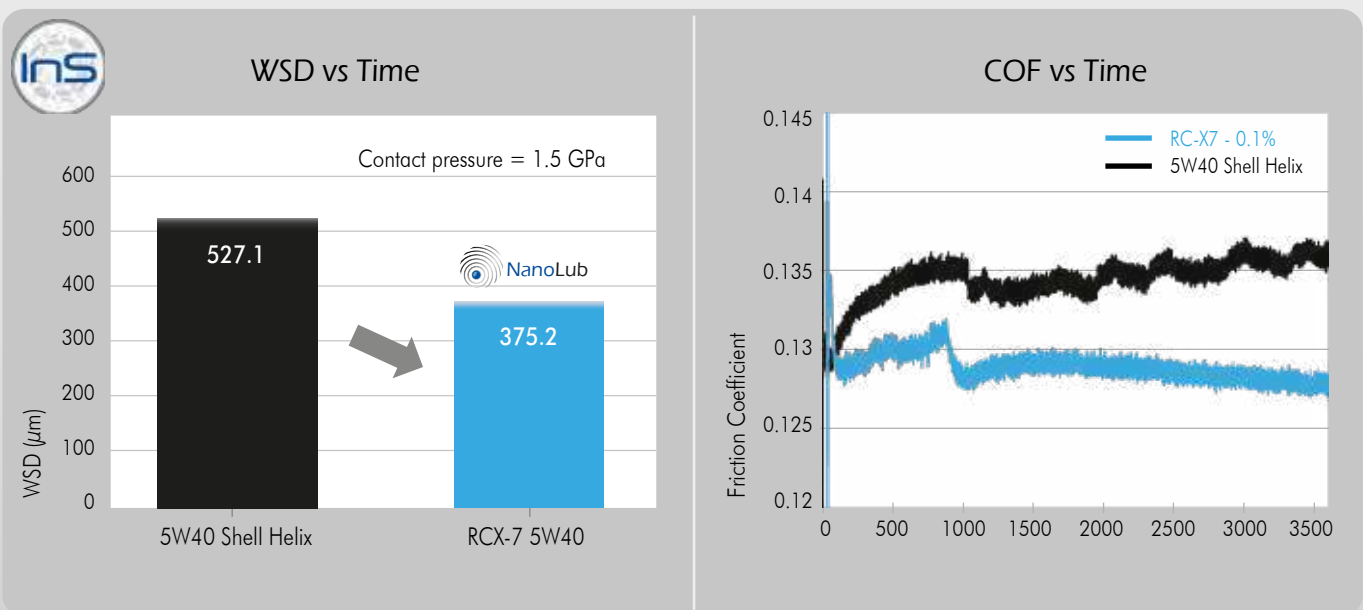
4-ball Performance Tests: Engine Oil

NanoLub® enhanced top-up additives applied to 15W40 engine oil reduces Scar Diameter vs. traditional brands.



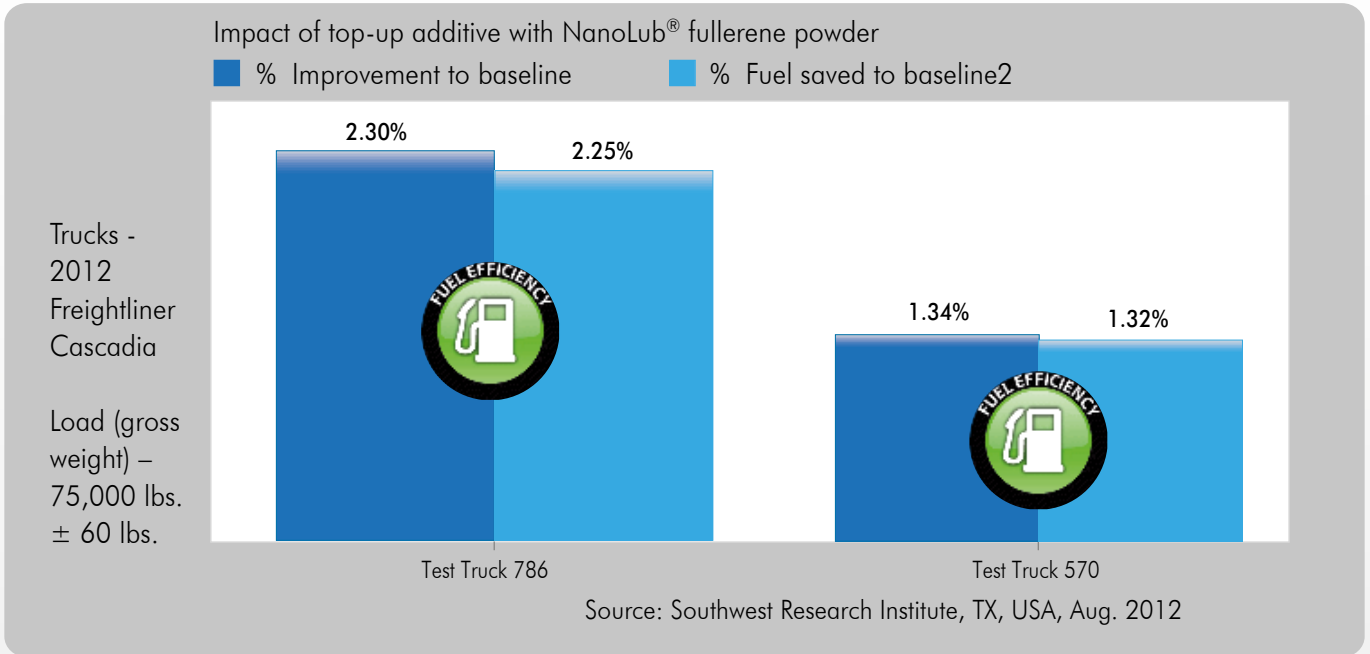
SRV Performance Tests: Engine Oil

ASTM D5706 - ISO 12156-1



Performance Tests: Engine Oil

Shell Rotella T3 engine oil with top-up additive incorporating NanoLub® fullerene powder lowered fuel consumption by up to 2.30%!



Format & Packaging

- Oil concentrate form ready for mixing into a variety of host oils.
- Containers: 20 liter pails, 200kg drums, to 1,000 liter IBCs.
- Ready to use additive bottles (top-up, after market product): 100ml, 250ml, 500ml, 900ml.



Technical Specs

Color	Dark grey
Treat rate	1% - 7% v/v in host oil
Carrier	Mineral or synthetic oil
Viscosity	97 cSt at 40°C/ 12 cSt at 100°C
Density	0.9-1.15 g/cm ³
PSD <small>(partical size distribution)</small>	D-50 100nm/ D-90 200nm
Health	Non-toxic nanoparticles as per OECD protocols
Safety	EU REACH Compliant

Award winning
TECHNOLOGY



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