

CASE STUDY



Nanotechnology of IF-WS₂ Saves Agricultural Tractor from Excessive Oil and Energy Consumption

The Challenge

- 1995 CASE IH 7240 Magnum Tractor, 13500 Hrs
- Working all year round in harsh conditions in SK, Canada
- Burning a gallon of engine oil every 30 hours

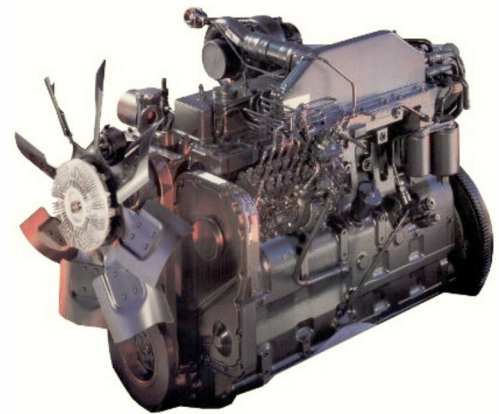
The Solution

3% of IF-WS₂ diesel engine oil additive

The Results

- A 640% improvement in oil consumption.
- Engine works quieter, smoother
- Improved torque
- IF-WS₂ based additive protects the engine during cold starts

Harmful emissions – are down!



Burning a gallon of engine oil

15W40 30 hours

15W40 + 3% of IF-WS₂

200 hours

More About the IF-WS₂ Formulated

NIS's proprietary super-strong tungsten disulfide (WS₂) multilayered fullerene-like submicron particles (IF-WS₂) are non-toxic and eco-friendly. IF-WS₂ Formulated additive is easy to blend and it has the following benefits:

- Superior Extreme Pressure (EP) Anti-Friction (AF) and Anti-Wear (AW) properties
- Reduces Fuel Consumption
- Decreases Engine Noise
- Lowers Harmful Emissions
- Extends Equipment Life



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