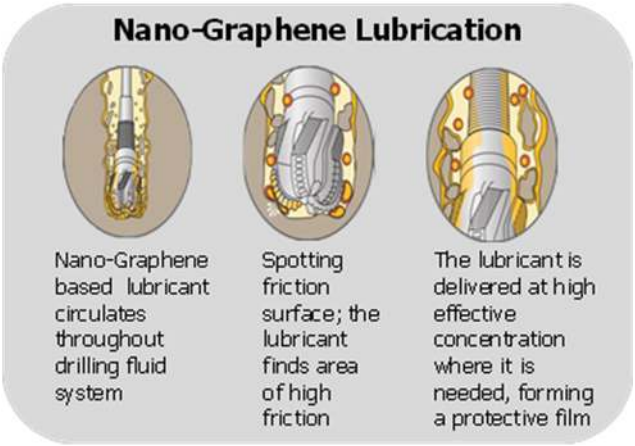
NexusChem Engineering Sdn Bhd

NX-NANOGRAPH LUBE

GRAPHENE ENGINEERED LUBRICANT TECHNOLOGY

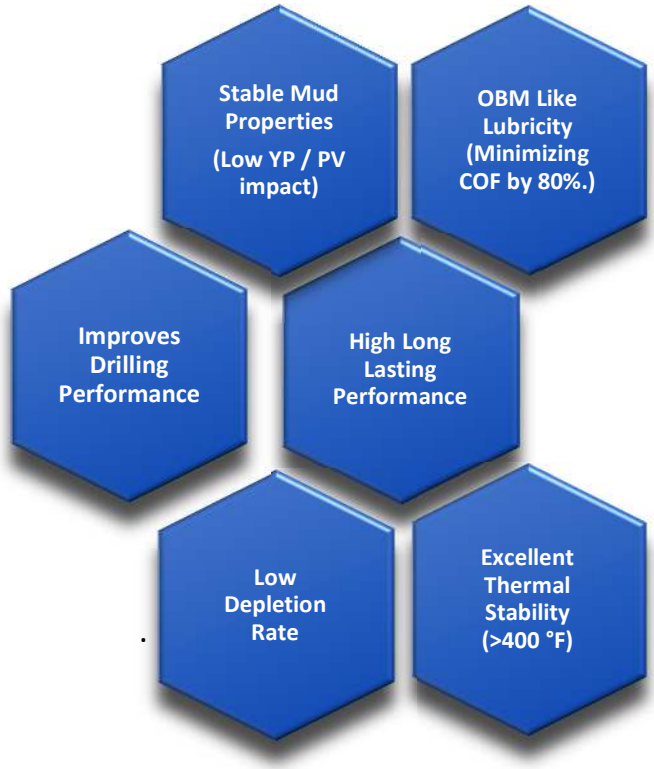
NX-NANOGRAPH LUBE is a revolutionary technology of sub-molecular graphene engineered lubricant for use in aqueous, oil or synthetic mud systems, developed to deliver high grade lubrication in drilling applications where environmental constrains preclude the use of hydrocarbon-based lubricants**.** It is designed to reduce friction in WBM/SBM/OBM under extreme drilling conditions (metal to metal) and in the borehole (metal to formation)

MECHANISM



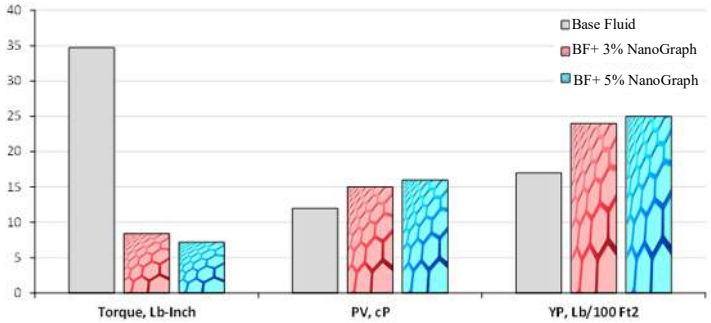
- Forms a layer of graphene engineered fluids over the tubular metal surface.
- Nano-graphene fluids penetrates microscopic pores of the metals, to form a strong bond stable at extreme HTHP conditions.
- The Nano-Graphene crystallizes under high stress reducing contact between metal parts, lowering the friction coefficient and minimizing metal wear.
- The newly developed structure will remain on metal surface, making it effective in low dosage with low depletion rate

KEY BENEFITS



TEST PERFORMANCE

10 PPG SBM FLUID



ENQUIRY

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