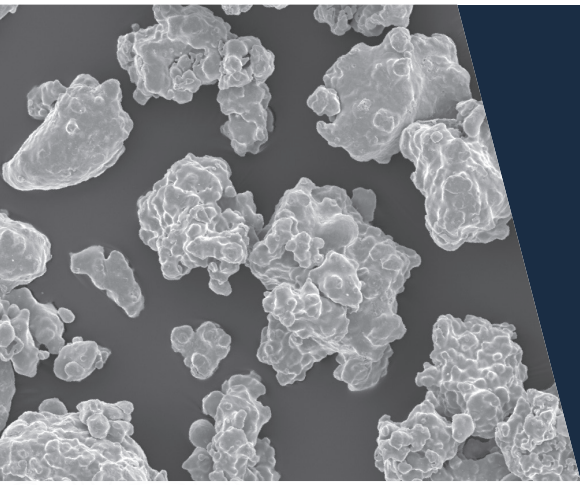
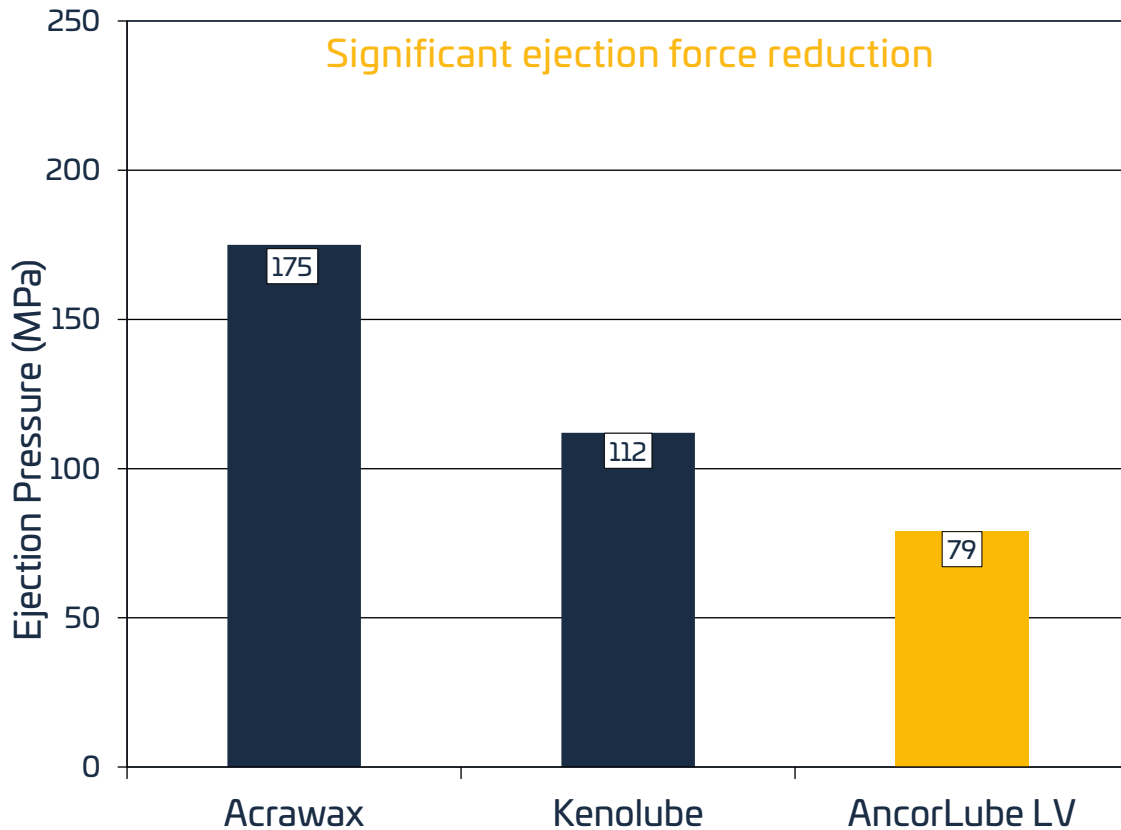


# ANCORLUBE LV



## AncorLube LV

Hoeganaes Corporation maintains its position as an industry leader in providing cutting-edge lubricant solutions to enhance compaction and tool longevity. AncorLube LV, one of their flagship products, boasts unmatched lubricity compared to typical admixed PM lubricants, eliminating the necessity for specialized or heated tooling. Moreover, it facilitates a clean burn-out and contributes to a reduced environmental footprint by being free of metallic stearates. AncorLube LV excels in delivering exceptional green strength and surface finish while leaving no adverse effects on the mechanical properties of sintered parts.



Ejection characteristics compared to other common PM lubricants in FC-0205 composition and 0.75% lubricant addition

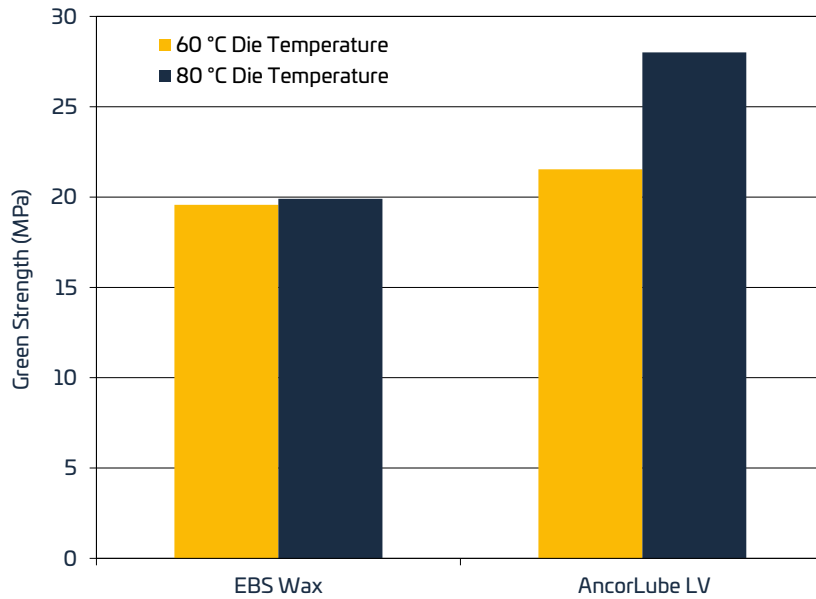
[www.gknpm.com](http://www.gknpm.com)

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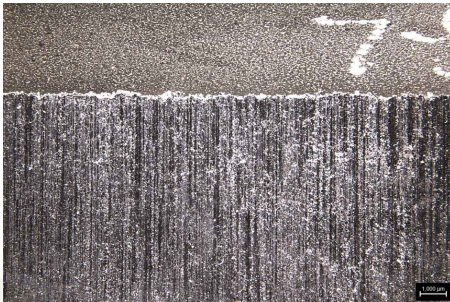
# ANCORLUBE LV

40% increase in green strength at 80 °C compaction

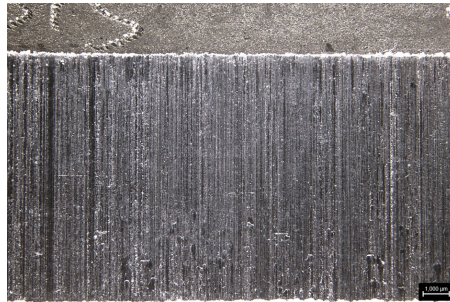


Green strength comparison in F-0008 composition with 0.50% lubricant addition, compacted at 620 MPa

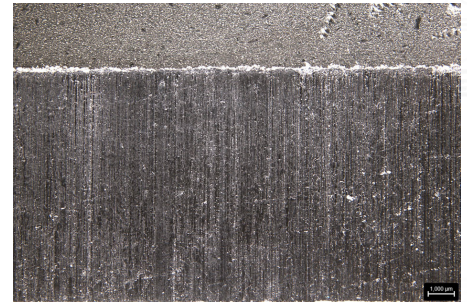
0.4% EBS wax



0.4% Kenolube

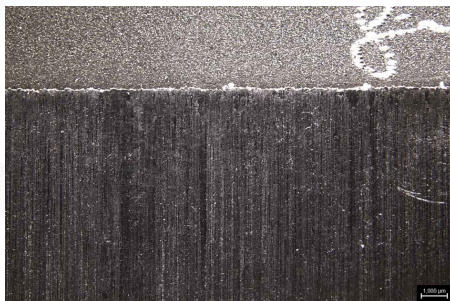


0.4% AncorLube LV

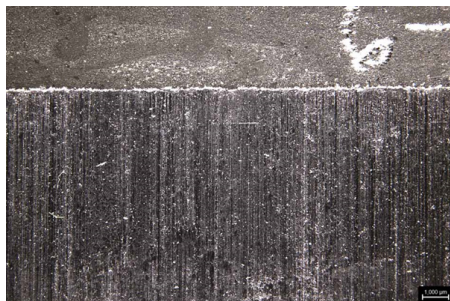


Reduced scoring on parts and tooling

0.6% EBS wax



0.6% Kenolube



0.6% AncorLube LV

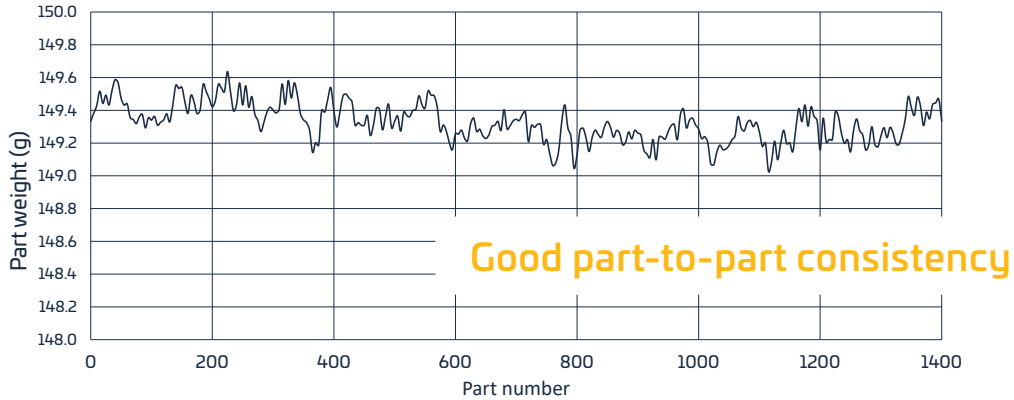


Part surface appearance after compacting at 760 MPa at die temperature of 70 °C with 0.6% lubricant in a F-0000 composition

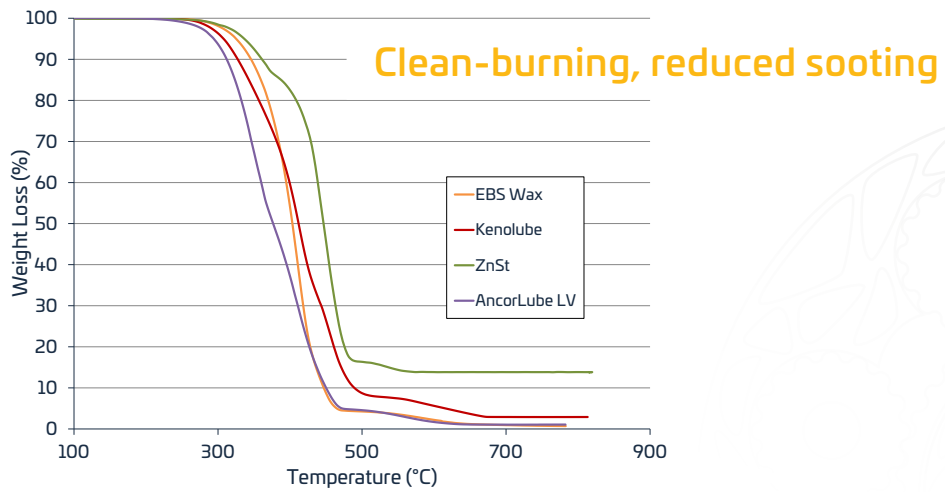
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# ANCORLUBE LV



Compaction study of VVT stator components with FC-0205 composition, 0.6% AncorLube LV addition, press rate of 10 strokes per minute



TGA data for various lubricants in nitrogen atmosphere

**Clean burn-out during de-lubrication, metallic stearate free**



EBS wax



Kenolube



AncorLube LV

FC-0208 with 0.6% lubricant part surface after sintering at 1120 °C in an atmosphere of 90%N<sub>2</sub>-10%H<sub>2</sub>

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