



PROFESSIONAL GUARANTEE

Subject: Jacobs Pro-Roll™ Jacobs Pro Unmatched Guarantee

**Executive Summary**

Why is Jacobs in the grease business? For years, every supplier of pellet mill components have stated to utilize the best recommended grease for your application, and even Jacobs was on that bus. Then failures began to occur that were not due to assembly issues or our customers' operations; it was that the grease base components were changing to utilize lower cost inputs. The grease had SIMILAR performance characteristics, but in a pellet mill "similar" leads to failure. In 2014, Jacobs set out to create its own grease to be the best in Pelleting operations strictly to mitigate failures. We now have arrived at PRO-ROLL, the industry leading formulation for Pelleting applications.

**The Difference**

- Pellet Mills are becoming larger with added horsepower that we needed a CONSISTENT product. PRO-ROLL satisfied that requirement.
- Operations run 24/7 with little monitoring, and we needed a product so the in-between grease purges did not dilute or break down. PRO-ROLL satisfied that requirement.

Jacobs is the only company that will GUARANTEE to supply you grease with the same or better performance results today and in a year from now. We will not change formulation for lower cost or supply chain reasons. PRO-ROLL is truly the only guaranteed Professional lubrication choice for high performance pelleting operations. We look forward to serving you!

**PRO-ROLL**

Prevents replacement of a \$2,000 + Bearing.

**AL-COMP GREASE**

**TESTING RESULTS:**

- Eliminates failure and GSC Spalling
- 25% Less run out = 10 lbs less per day.

**Facts:** Food grade grease standards and utilization are going to continue to be enforced. The typical food grade grease utilizes Aluminum Complex thickener. Due to the failures experienced with standard FG grease, Jacobs developed Pro-Roll™

**Benefits:**

- Less run out: saves money.
- Lower bearing temperatures improves bearing life.
- Superior rust resistance.

Standard	Jacobs Pro-Roll	Aluminum Complex (Best of 3 major Brands)	Testing Standard	What that means to your mill
Base Oil cST@ 100c (Z1Z1)	19.6	17.9	ASTM D445	10% thicker at higher temperatures, keeps grease in the roller and foreign material out
4- Ball EP Load (kg)	620	400	ASTM D 2596	55% More resistance to spalling and lower frictional temperatures
Timken OK load (lbs)	60	40	ASTM D 2509	50% less friction at higher loading
Water Washout (%)	2	7.7	ASTM D 1264	4X Less grease leaving due to the steam and product moisture
Drop Point (oF)	550	500	ASTM D 2265	10% Higher dropping point - Less oil separation at higher temperatures

**JACOBS** Introducing Jacobs new Pro-Roll™ Food Grade Grease: Specifically formulated utilizing Calcium Sulfonate to improve pellet mill roll shell performance.

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Signed,  
Chad Plumb  
COO and Owner.