

ANION WS SERIES SYNTHETIC BASED KILN TRUNNION & MILL BEARING LUBRICANTS

We provide trunnion and mill bearing lubrication solutions to companies in the chemical, waste, food processing, lime, cement, minerals-processing and paper industries across the globe. We also provide expert consulting and field troubleshooting support to help our customers find the best lubricating products for their demanding applications.

ANION WS-5300
KILN TRUNNION &
BEARING LUBRICANT

- Excellent materials compatibility & shear stability
- High viscosity indexes
- Low pour points
- Able to handle extremely high temperatures
- Outstanding resistance to micropitting
- Excellent anti-scuffing wear properties
- Long service life
- Lower maintenance costs
- Easy cleanup



Are you using petroleum-based lubricants? Chances are, your rotary kilns, coolers, dryers and calciners rely on various types of gearing, anti-friction bearings, and large-diameter sleeve or journal bearings to do their job. **Most equipment manufacturer-provided petroleum-based oils can satisfactorily meet moderate temperature requirements**, but sometimes this is not enough.

If your machinery's bearing temperatures exceed 125°F, petroleum lubricants can initiate low viscosities and promote carbonaceous residues. Why is this a problem? The presence of these high-temperature trunnion and mill bearing overload conditions will most likely contribute to **mechanical problems** and **repeated maintenance costs**.

Anion WS Series	150	220	320	460	630	1000
Viscosity, ASTM D445						
@40 degrees C, cSt	168	237	314	441	654	1000
@100 degrees C, cSt	32.2	42.9	55.7	79.6	111	162
Viscosity Index ASTM D2270	229	238	245	255	268	280
Total Acid Number, mgKOH/g, ASTM D664	0.9	0.9	0.9	0.9	0.9	.09
Pour Point, D5950 °F (°C)	-49 (-45)	-49 (-45)	-49 (-45)	-44 (-42)	-44 (-42)	-44 (-42)
Rust Characteristics, Procedure B, ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass
FZG Gear Test	12+ Pass	12+ Pass	12+ Pass	12+ Pass	12+ Pass	12+ Pass
Flash Point, °F (°C)	500 (260)	510 (266)	520 (271)	530 (277)	525 (274)	525 (274)

Lower High
Bearing Temperature
with Synthetic
Lubrication Fluid



Anion's synthetic kiln trunnion and bearing lubricant is specially formulated for the demanding environments and high-temperature conditions that exist at mills across the nation. Our proprietary formulation of anti-oxidants and EP additives are very unique and unmatched in the industry. We also provide a customer guarantee that our lubricants will lower the average temperatures of your kilns hot bearings, regardless of the root cause. Our bearing lubricants are used around the globe with quality product recognition and the strongest of confidence.

OPEN GEAR LUBRICANTS



KILN TRUNNION
BEARING LUBRICATION

ADVANCED SOLUTIONS FOR INDUSTRIAL APPLICATIONS





Contamination Control Studies
Provide solutions to address contamination issues & improved maintenance protocols



Bearing Varnish Removal & Cooling Lines DeScaling Solutions
Maximize heat transfer efficiencies & extend oil life



Lubrication System Preventive Maintenance Programs
Preventive maintenance solutions & oil life trending

