

ANADROMOUS FISH SCREENING PROGRAM

Operations & Maintenance



COATINGS ON STEEL SCREEN COMPONENTS.



Plasma coatings...

Better than powder coat or
Automotive coatings.





**PLASMA COATING.
STAINLESS BANDS.**





ADVANTAGES OF PLASMA COATING

- Durability equals Longer lifespan.
- Extensive Plascoat lab test & real world use, indicate working life of over 25 years.



PPA 571

How long does your coating last?
PPA571 will outlast them all.

The PPA 571® series is one of the most versatile coatings available on the market today, able to provide superior resistance to environmental exposure, wear and tear, damage, and malicious attack with no effect to its performance and low maintenance requirements.

Extensive Plascoat lab tests & real world use indicate working life of over 70 years.

Swedish Corrosion Institute tests show underground life of PPA 571 of over 200 years.

- Extremely long life
- Corrosion resistance in hostile environments
- Aesthetic longevity
- Low toxicity
- Low Fume toxicity
- Warm to the touch
- Low fungal growth
- No primer required
- Graffiti resistant – easily removed with no staining
- Water & food contact approvals

Advantages over Epoxy:

- Meets requirements of EN ISO 14901
- Flexibility
- No curing required
- Significantly higher UV resistance

Advantages over Nylon coatings:

- Very low water absorption
- Cost effective
- No primer required

Advantages over PVC coatings:

- Very low toxicity
- No plasticizers, chlorine & halogens
- Low temperature performance to -70°
- Does not shrink or become brittle in hot weather

Advantages over Polyester:

- No curing required
- Lasts longer in harsh environments

The PPA 571® series is available in fluidised bed dip, electrostatic spray, flock spray and extrusion grades.

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-EXTREMELY LONG LIFE

-LOW TOXICITY

-LOW FUNGAL GROWTH

-WATER & FOOD CONTACT APPROVALS



P.O.D. SCREENS



What we have learned.

Issues with bearings, seals, lubrication, coatings, fabrication.



SEALED BEARINGS, ARE THEY?



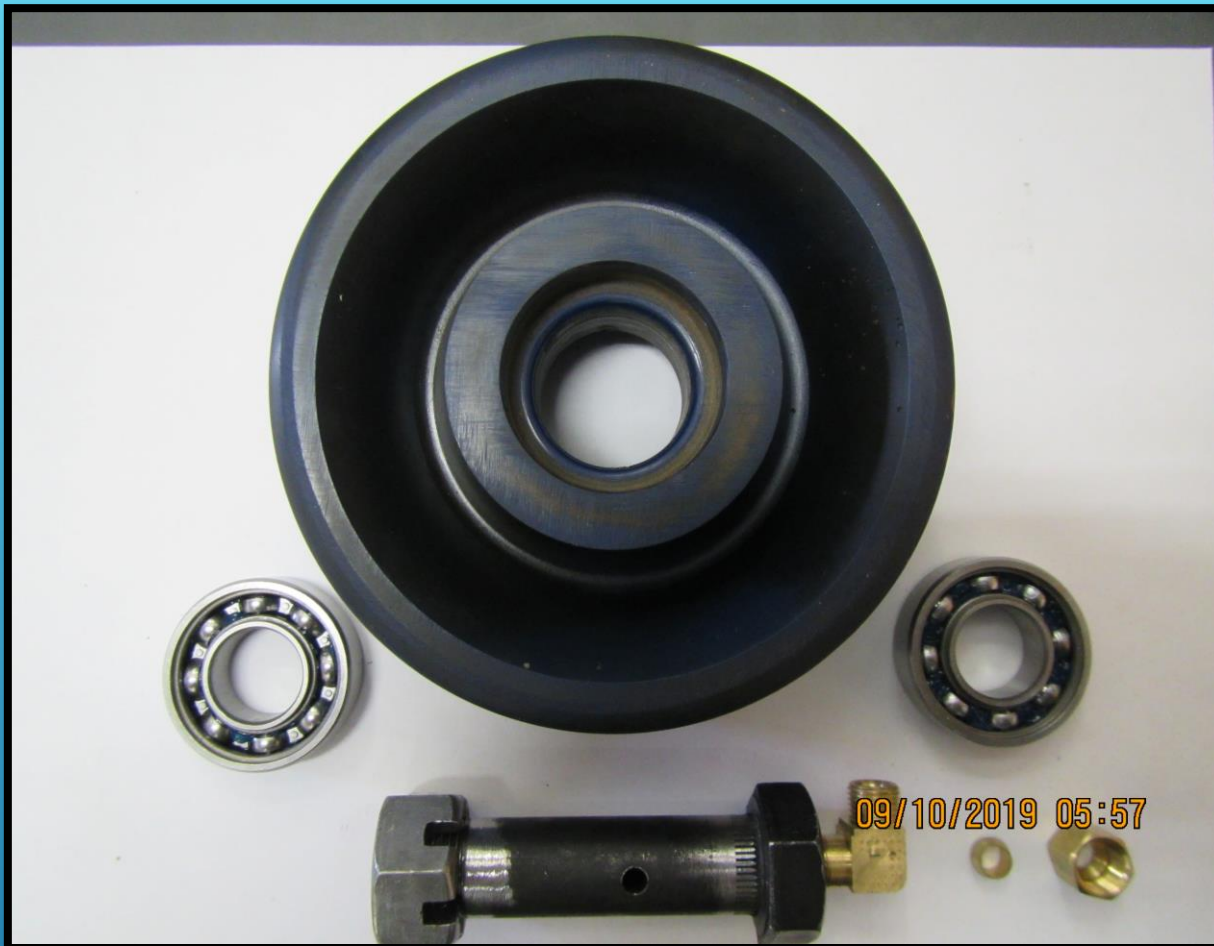
- Bearing issues
- How much grease?
- How often?



GUIDE WHEELS

- Wet Bolts vrs. Sealed bearings.
- Adjustable tensioner wheels.
- Adjustable brush shaft.





WET BOLTS ALLOW WHEELED
BEARINGS TO BE GREASED
WHILE IN SERVICE.



P.O.D. DRUM SEALS

Closed irrigation systems and how we seal them.

Seals attached to the head wall can allow debris into the system during heavy silt loads.



POSSIBLE SOLUTIONS!

Seal attached to the drum to avoid the migration of debris in the system.





**HIGH COST OF REPLACEMENT
SEALS / SPEEDY SLEEVES
PROPER OIL AND LEVEL**

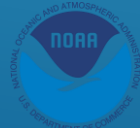


WHAT KIND IS IT?



FOOD GRADE

- How long will it last?
- Viscosity





ENVIRONMENTAL SOLUTIONS FOR THE FUTURE







