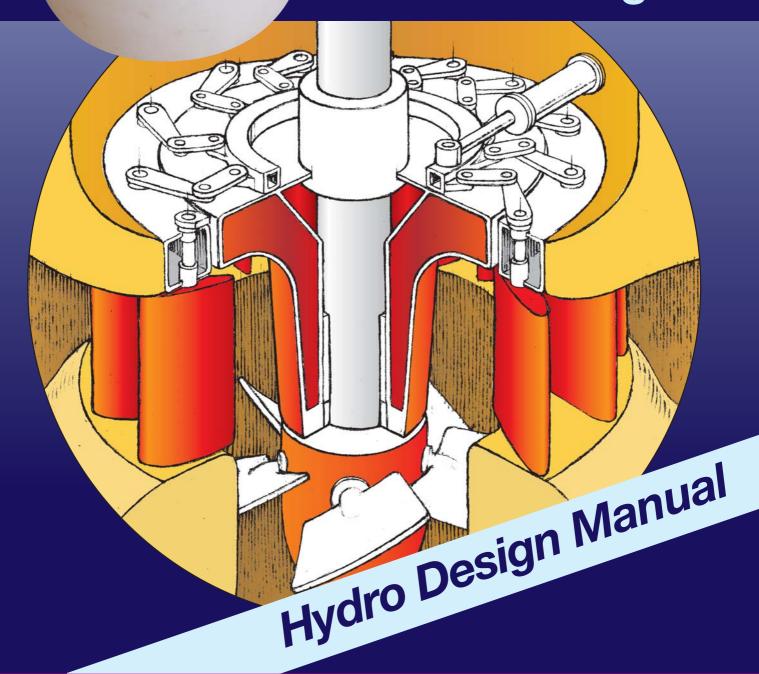
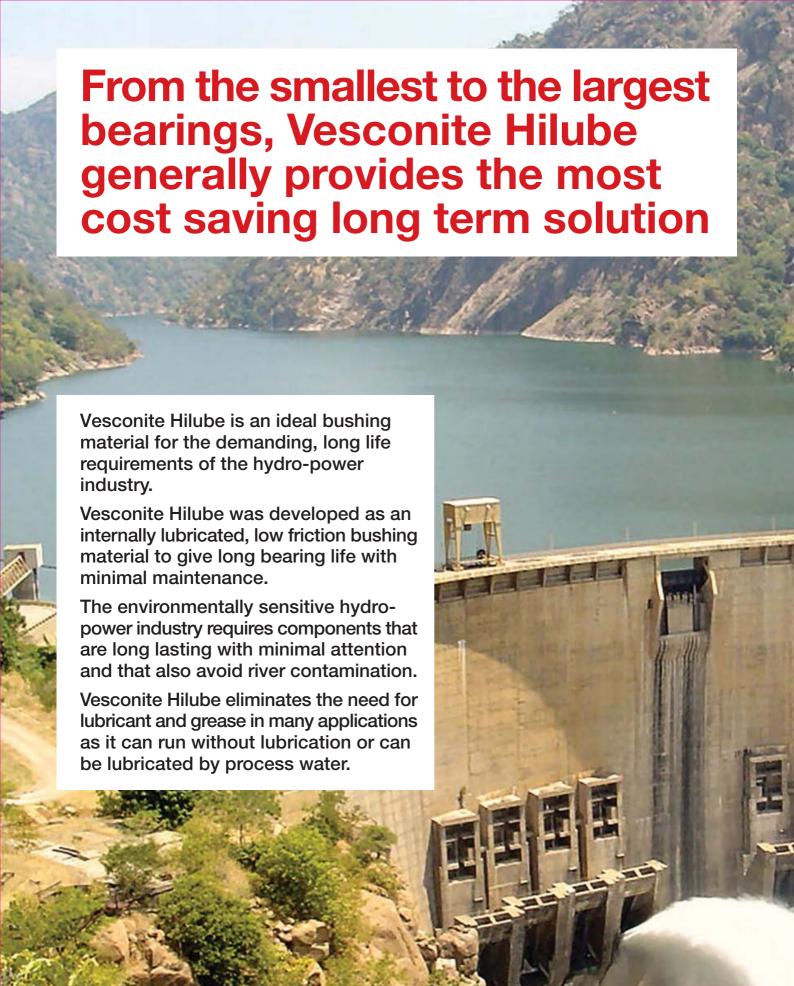
### Vesconite Hilube



- Enviro friendly
- No swell
- Self lube
- Fit and forget







### **Eliminate Iubrication**

Vesconite Hilube is internally lubricated with advanced solid polymers. Avoid environmental risk and other problems associated with greasing and lubrication systems.

### Can run dry

The internal lubricants of Vesconite Hilube allow bushings to run dry in many oscillating applications. Vesconite Hilube can run dry for some time in high speed rotational applications with limited low loads like pump lineshaft bearings.

### No water swell

No more swell. Vesconite Hilube is dimensionally stable and does not swell in water. Bushings can be designed and manufactured with close clearances without the fear of seizure. Vesconite will not delaminate.

### Low wear

Get long life. Vesconite Hilube demonstrates exceptionally low wear both to the bushing and to the expensive metal counter surface.

### Low friction

Stop chatter and vibration. Low friction Vesconite Hilube eliminates vibration caused by stick-slip.

### **Typical properties of Vesconite Hilube**

		Matria	luces a via l
		Metric	Imperial
Maximum design load			
(static, oscillating or occasional movements)		30 MPa	4,250 psi
Linear expansion at 65% relative humidity		0.04%	0.04%
Linear - saturated		0.07%	0.07%
Guide to maximum	Immersed	65 °C	150 °F
operating temperature	Dry or grease lubricated	100 °C	212 °F
Thermal coefficient of expansion		6 x 10 <sup>-5</sup> mm/mm/°C	3.3 x 10 <sup>-5</sup> in/in/°F
Density / specific gravity		1.38 g/ml	1.38
Modulus of elasticity		2.2 MPa	493 000 psi

### **Temperature rating of Vesconite Hilube**

Typically Vesconite Hilube is limited to 65 °C (150 °F) in immersed conditions and 100 °C (212 °F) in dry conditions.

Contact us about **Hitemp** for higher temperatures. **Hitemp 150** is designed for immersed temperatures up to 120°C (250 °F) and 150 °C (300 °F) in dry conditions.

# Wicket gates, control arms, side plates and bull rings

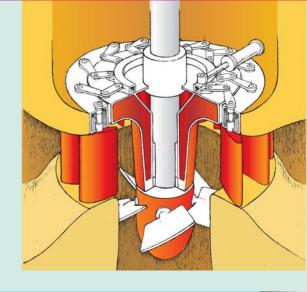
Vesconite Hilube is self lubricating and does not require additional lubrication. This is especially important for the high frequency microoscillations that occur in wicket gates. These micro oscillations are so small that they do not spread lubricant effectively.

Vesconite Hilube bushings give an exceptionally long life with minimal maintenance.

Vesconite Hilube is ideal for bushings in wicket gate control arms, side plates and on bull rings.

Vesconite Hilube carries high loads. Vesconite Hilube can take high compressive loads (30 MPa) without creeping.

Vesconite Hilube will operate even if lubrication systems fail.





Wicket gate control arms



## Trash rake bushings and bearing slides

Vesconite Hilube is ideal for high load, low speed applications on many designs of trash rakes.

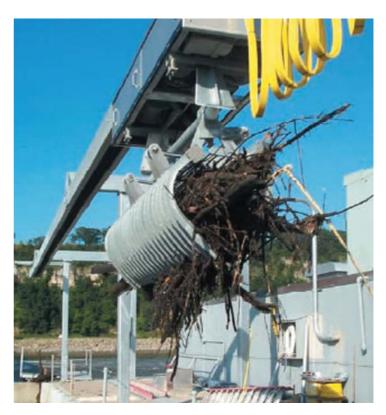
Applications typically include pivot points and boom slides that are highly loaded and often exposed to wet and dirty conditions.



# Pressure relief control valve applications

Vesconite Hilube is used in control valves because of its low friction and no stick-slip characteristics.

With higher friction materials the occasional motion causes sticking and vibration. This problem is avoided with Vesconite Hilube.







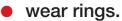


Vesconite Hilube is used in many pump bushing applications, including by OEMs.

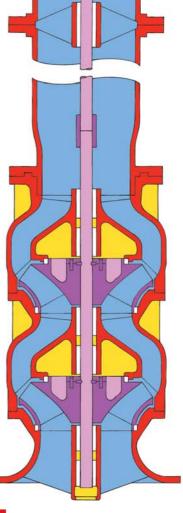
#### These include

lineshaft and pump bowl bearings

support bearings









## Penstock shut-off valves

Vesconite Hilube is ideal for shut-off valve applications.

### Bushing enquiry - Fax to +27 11 616 22 22 or numbers below

Name:	Company:
Telephone:	Email:
Would you like a sample? YES NO	



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Brasil	0800 891 87 16	+55 (11) 684 521 80
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