



**FILTER  
TECHNOLOGY**

cleaner fluids mean better business

**CASE STUDY**

**Marine**

Case No : 4 - 6 - 6

## Dredger Thruster Hydraulic System: Newcastle Port Corporation



Newcastle Port Corporation, after experiencing contamination and problems in controlling water ingress in the propulsion thrusters of its dredge, David Allen, contacted Filter Technology Australia for assistance.

Filter Technology Australia initially designed an extra filtration system for hydraulic oil in the bow thruster whilst the dredge was in day to day operation.

The Corporation's Vessel Plant Maintenance Officer Noel Carr, fitted the system which resulted in decreased downtime and extended hydraulic oil and hydraulic component life.

The decreased downtime and less expenditure on hydraulic oil replenishment saw Chief Maintenance Engineer on the David Allen, Tony Paine, contacted Filter Technology Australia in relation too another hydraulic unit for the stern thrusters which had previously shared a unit.

The success of the units have seen hydraulic oil in all thrusters to be within acceptable cleanliness levels whilst water ingress also is under control.

