

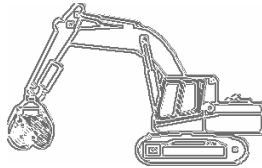


Forestry Applications:

Cote Industries Ltd. of Vancouver, B.C. is having incredible success using Zinc Con-Cast alloy in idler sprockets and as kiln cart bushings, for the sawmill industry. The Zinc Con-Cast idler sprockets are lasting 3 to 5 times longer than both 660 bronze or plastic and with Cote's innovative scaling system they are lasting longer still. In the extreme conditions of a drying kiln the Zinc Con-Cast bushings are lasting up to 6 times longer than plastic with no flat spotting distortion or damage to shaft or wheel.

Dick's Machine Shop of Eugene, Oregon - a job shop for local wood products mills, is using Zinc Con-Cast Alloy for Acme threaded bushings, replacing 660 bronze. Used in spots where lubrication is difficult to accomplish and 660 has seized, the Zinc Con-Cast alloy is still going strong after four months without lubrication.

Weldco-Beales Manufacturing Ltd. in Edmonton, Alberta, has been using ZA-12 for a variety of forestry equipment applications for about 3 years. Jaw and outrigger pivot bushings, slider bearings on button-top grapples, and boom and stick bushings on log loaders are just a few of the applications where ZA-12 has excelled. They have noticed longer hushing and shaft life, shorter downtimes as well as material cost savings. This success has encouraged Weldco's research and development people to consider ZA-12 whenever superior performance is required



High Level Forest Products Ltd. in High Level, Alberta has replaced plastic and bronze with ZA-12 for bushings in the idler sprockets in their lumber mill and in the sheaves for the sorter in the sawmill. ZA-12 has greatly reduced their downtime maintenance costs.

C.M.C. Technology, Inc. of Chichester, New Hampshire is a manufacturer of sawmills and lumber handling equipment. Prior to October, 1991, they had a special application where bearing bronze was utilized. In October they made a trial run of ZA-12 for this application. They haven't looked back. Their customers report longer life of the component, and clearly stipulate that upon reorder, only ZA-12 is acceptable.

Other Zinc Success Stories:

Grapple Hooks

C.W.S. Industries, Ltd.

C.W.S. of Surrey, B.C. is one of western Canada's leading manufacturers of attachments for off highway machinery. They have incorporated the use of Zinc Con-Cast alloy into their production line for the past 3 years. Zinc Con-Cast bushings are used on log loader grapples, booms and sticks, hydraulic cylinder eyes and for thumb attachments on bucket assemblies. Zinc Con-Cast alloy has withstood the rigors of west coast logging and construction, thereby prompting C.W.S. engineers to look for other new uses for Zinc Con-Cast bushings.

Crane Equipment of Eugene, Oregon is using Zinc Con-Cast bushing stock in their "Grizzly" loaders for the grapple pin bushing with great success.

States Industries of Eugene, Oregon - a veneer panelling manufacturer, is getting greatly extended bushing life in its scissor-hoist applications using Zinc Con-Cast alloy.

Fletcher Challenge in Campbell River, B.C. has replaced hardened steel bearings with ZA-12 in the pivot points on their yarding grapples reporting 3 to 4 times longer pin life. Fletcher Challenge also uses ZA-12 on hydraulic grapples and in trunnion bearings on trucks to replace bronze.

Other regular users for similar equipment are: Weldco Beales Manufacturing Ltd. of Vancouver, B.C., CWS Industries Ltd. of Vancouver, B.C. Promac Industries Ltd. of Port Alberni B.C., S. Madill Ltd. of Nanaimo, B.C.



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