



# Lumber Mill Redefines Clean

## REBUILDING BETTER

Trinity River Lumber Co. in Weaverville, CA, cuts Douglas fir and white fir logs into dimensional lumber. Since the first mill opened 75 years ago, the facility has been a critical part of the local economy. The facility was rebuilt a decade ago following a devastating fire.

At the time of the rebuild, the mill's maintenance and reliability initiatives advanced with their equipment, which includes 20 electro-hydraulic servo valves critical to keeping logs flowing through the mill. To protect these new assets, the mill developed a lubricant cleanliness standard.

## NO TIME TO LOSE

Reducing wear and downtime is critical to keep the valves running without fail throughout the mill's two shifts a day.

"When one of these valves goes out, we could have up to 150 people breathing down my neck until it's fixed," said Jeffrey Evans, lead lubrication technician.

"When I understood that this valve requires a certain fluid cleanliness to run smoothly, I looked into best management practices to keep our hydraulics as clean as possible."

## CLEANING UP

During his research, Evans realized that typical new oil was not clean enough and particulate contamination can cause excessive wear in component parts, resulting in unstable operation and premature failure. He teamed up with Jessie Torres of Redwood Fuels - a Chevron ISOCLEAN® Certified Lubricants supplier - to bring in Rando® HD 68 hydraulic fluid ISOCLEAN Certified to a 14/12/10 specification.

They also implemented the ISOCLEAN SmartFill Label program, covered bulk oil storage in the mill with a shed roof, and installed Des-Case breathers and direct couplers to maintain fluid cleanliness.

The ISOCLEAN® Certified Lubricants program is part of a holistic solution that safely prefilters lubricants to a specific ISO 4406 level and educates maintenance staff about how to maintain the cleanliness once on site.

## RELIABILITY DELIVERED

"It's a real bummer to get a call at one in the morning because the mill is shut down," Evans said. "By running with ISOCLEAN® oils, I sleep better and enjoy more profit sharing."



"We adopted the ISOCLEAN® product about four years ago. The oil in our system lasted longer, our components lasted longer and we saw a higher level of reliability."  
  
- Jeffrey Evans  
Lead Lubrication Technician



Top: Trinity River Lumber Company. Top Left: ISOCLEAN® filtration skid. Above: Jeffrey Evans, Lead Lubrication Tech, Top Right: Milled lumber near Trinity Alps.

Contact us to learn more about Chevron ISOCLEAN® Certified Lubricants:  
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