



## KÄSSBOHRER ALL TERRAIN VEHICLES, INC.

Job Number: 18005904  
Customer: Eagle Crest  
Date of Repair: 12/7/2024  
Serial Number: WKU5824CQ9L010309, WKU5824CQDL011027,  
WKU5824CQHL011724  
Cat/Winch Hours:  
Technician: Cole Stiefbold  
Repair Location (city/state): Juneau, Alaska  
Total Mileage (billable jobs):

**Customer requested a visit to assist in evaluating the condition of the 3 pb400's.**

**WKU5824CQ9L010309**: 2009 PB400 Park 8485hrs

This machine has severe wear to hydraulic components and needs a major overhaul. A hydrostatic pump has failed and sent metal contaminants throughout the rest of the hydraulic system. The machine also needs repairs to the suspension, a small crack on the passenger side outer frame rail, exhaust leaks, and coolant leaks. There are electrical issues affecting the exterior lighting and hydraulic issues.

The hydraulic drive repairs on their own would take roughly 40 hours of labor and \$40,000 in parts, and it would be nearly impossible to remove all contamination from the rest of the system. The suspension overhaul would take roughly \$10,000 in parts and labor, including the weld repair to the frame rail. \$50,000 would be a conservative estimate to get the cat back to being "usable", and at a severely diminished level of dependability due to hydraulic system contamination, water-damaged electrical systems, other drivetrain components like the engine, final drives, splitter box, tracks, and tiller would all be near the end of their service life as well.

**WKU5824CQDL011027:** 2013 PB400 Park 7020hrs

This machine has drivability issues, water leaks into the cabin, mismatched/incorrect track hardware, an issue with the brake system, and hydraulic leaks in the system causing the implements to slowly fall after being raised.

Technician recommends at a minimum the water leaks into the cab get fixed soon and the brake issue is diagnosed, to prevent downtime this winter. More extensive diagnosis would be required to resolve the issues with the auxiliary hydraulics and drivability, which could require the machine to be put out of service for a couple days to a week depending on the findings. Repairs starting at roughly \$5,000 with potential to exceed \$10,000 subject to the findings of the hydraulic system diagnosis.

**WKU5824CQHL011724:** 2017 PB400 Winch 2031hrs

This machine is in good condition with fairly low hours. Water leaks are present, one at the sunroof was fixed by the technician at the time of this visit. There is at least one more leak at the broken passenger door glass that needs to be replaced. Deferred/incorrect track maintenance on this machine has caused repeated track failures that have been exacerbated by operating in low snow conditions and encountering rocks and other obstacles. The winch cable has been shortened to about half its original length and also needs replaced.

Track maintenance, winch cable replacement, new passenger door glass, are recommended on this machine. Using only factory replacement track hardware will also go a very long way to mitigating future track issues. Roughly \$5,000 in parts for the tracks and the window, and a couple days of labor are necessary to help preserve the good condition of this cat.

**Overall:**

All 3 machines in this fleet are getting old and have had years of deferred maintenance which has caused major damages in some cases, and repeated premature failures of track components. The 2009 is no longer operable without a major overhaul, and the 2013 is not far behind it in terms of hours and will start to require more costly repairs as it ages. All of these factors are going to force the winch machine to operate in unfavorable early season conditions and non winching tasks which will cause accelerated wear and tear, which we are already seeing on its tracks.

