

Pushing fluid out power steering



[Chris Reed](#) 66 posts since Dec 3, 2014

Pushing fluid out power steering Oct 12, 2018 12:59 AM

Pushing power steering fluid out the res cap at random times. Has had pump,box, reservoir, lines all replaced yet still happens once or twice a week Drove the truck today with loaded trailer for three hours some highway some low speed turning up hills etc. Fluid temp 165 max. No air in system did not push any fluid. Fitzgerald glider with 550k miles Detroit engine ddec 4.



[Talbert Simonian](#) 1,742 posts since Nov 21, 2014

Re: Pushing fluid out power steering Oct 12, 2018 1:40 AM

Could it be engine oil? I have seen that happen before. SS 1151 Engine oil leaking into power steering pump.



[Scott Trippel](#) 3,905 posts since Dec 13, 2014

Re: Pushing fluid out power steering Oct 12, 2018 12:23 PM

Chris, have you witnessed it push fluid out the reservoir?

Are they using ATF and if so, what colour is the fluid? If it is pink, not ATF red it is aerated.

Why it does not do it all the time I do not know. But, if you use a PSSA and heat the fluid to 180 F you may see it happen then



[Chris Reed](#) 66 posts since Dec 3, 2014

Re: Pushing fluid out power steering Oct 19, 2018 7:54 AM

I have not been able to duplicate the complaint however I do believe it to actually be happening because the owner has replaced the entire power steering system for this issue. The fluid is atf had the psa on and temp up to 180 with proper flow and pressure. No air in system. I noticed a long heater hose engine breather extension on this truck. Didn't think much about it at the time but now wondering if that folded over somehow could enough crankcase psi build up that would then get past the seal and into the p.s pump ? I have never heard of such a thing and I would also want to believe it would push from somewhere else long before pushing into the p.s pump but at this point it seems anything is possible.



[Talbert Simonian](#) 1,742 posts since Nov 21, 2014

Re: Pushing fluid out power steering Oct 19, 2018 8:21 AM

If no issues are found. I would release the unit. But with the stipulation to the customer. That if they see it over fill again. Bring it back. That way you can see what the oil looks like.

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[Scott Trippel](#) 3,905 posts since Dec 13, 2014

Re: Pushing fluid out power steering Oct 19, 2018 12:20 PM

I agree with Talbert

if you cannot recreate, how do you know if it is fixed, or a fault?



[Sam Allen](#) 11 posts since Jun 29, 2017

Re: Pushing fluid out power steering Sep 22, 2020 7:57 PM

I had this happen on a Glider also. The steering gear had an internal leak. It was pushing excess fluid to the reservoir when at operating temp.



[Kyle Siebert](#) 3,922 posts since Nov 14, 2014

Re: Pushing fluid out power steering Sep 22, 2020 8:57 PM

That seems to make sense. Sounds like its intermittently sucking in air. Only unobvious place for that to happen would be the pump. Otherwise check for loose clamps on suction hose, check filter head in reservoir for damage. I had one that the filter head was broken off and filter was floating around in reservoir. Start up and it quickly airates and overfills.