



Landoll Cares

"Where the people make the difference"

Hydraulic Specifications-Best Practices

Our goal is to help you receive the best performance and experience from your investment in Landoll equipment. You will find much needed information in the "Operator's Manual" located in a waterproof tube normally within the tool box or frame mounted on the driver side. *For safe operation never exceed the standard ratings of Landoll products.*

Hydraulic Requirements:

Tractor must be equipped with a relief valve set at a maximum of 2500 psi.

Trailer Quick Couplers: (male-pressure-street side) **Connect First**; (female-return-curb side) **Connect Second**

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Hydraulic Couplers used by Landoll:

Starting March 1, 2022

Type: Stucchi

Female: Part# 239678 / 800804020

Male Part# 239677 / 805204027

Prior to March 1, 2022

Type: Parker-Hannifin

Female: Part# 105480 / FC-752-12FO

Male Part# 105479 / FF-751-12FO

Operational Standards:

	Pre NGL Models	NGL Models – 400, 900, 800
Coupler and Hydraulic Line Size	¾" O-ring	¾" O-ring
Maximum Operating Pressure	2500 PSI	2500 PSI
Operating Flow	14 GPM	20 GPM
Minimum Recommended Reservoir	30 gal.	30 gal.
Self-Contained Engine Hydraulic:		
Engine Size	25HP	25HP
Maximum Operating Pressure	2500 PSI	2500 PSI
Operating Flow	13 GPM	13 GPM
Reservoir Size	30 gal.	30 gal.

As of July 1, 2015, Landoll started introducing higher operating flow (GPM) on some models of trailers. *The new NGL built-in valve has flow control up to 50 GPM that will reduce flow to 20 GPM. It is important to ensure your system is not putting out over 2500 psi. **Hydraulic oil should be filtered and fluid contamination needs to be a nominal value maximum ISO 4406 19/17/14.*** If hydraulic system has a flow rate over 20 GPM, the reservoir should be sized to hold a minimum of (1.5) x (GPM flow). To reach full operating capacity from your Landoll equipment set up your hydraulic system as close to the above specifications as possible, however damage may occur if you do not follow these recommendations. ***Please refer to the Maintenance and Lubrication service intervals in your Operator's Manual.*** Good maintenance practices increase service life on replacement parts and reduce downtime. For technical assistance call Landoll toll-free at 800-446-5175.

