

EARTH TOOLS SERVICE BULLETIN 01-2022

SUBJECT: Proper oil & filter type and service intervals for BCS "PowerSafe®" models

Tractor models 739, 740, 749, 750 with PowerSafe® clutch.

Note: See page 2 for PowerSafe® tractors with Hydrostatic Drive (660, 770 & 779).

After the **First 30 Hours** of use:

- With implement removed from tractor (so that tractor engine slants downward and rests on ground), remove Drain Plug (C) and drain fluid.
- Replace the Oil filter (B) with OEM filter (p/n 58056208 or equivalent filter from Earth Tools).
- Clean the Magnetic Rod on the inside of the Drain Plug (C) and reinstall plug.
- Refill with proper fluid (see chart below) until the dipstick (A) shows the correct fluid level. MAKE SURE to "level out" the tractor before refilling!! PowerSafe models hold 2.25 to 3 quarts of fluid, depending on specific model, so buy enough oil!
- Repeat the above procedure very **100 Hours** of use or **Once per Year** (whichever occurs first)
- **Weekly:** Check the fluid level using the gearbox dipstick (A), top off if necessary.

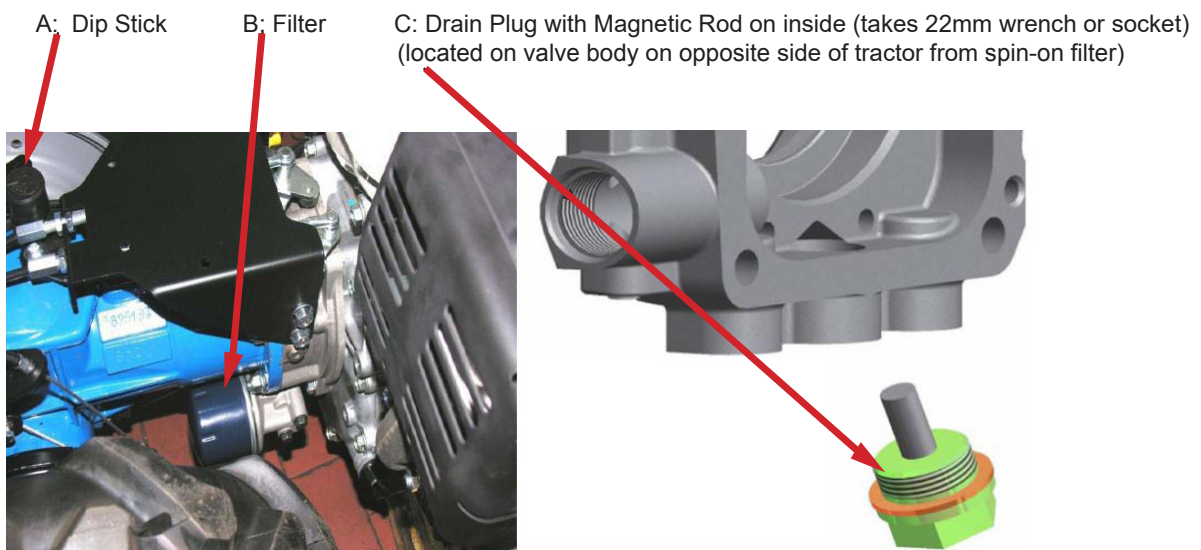
Compatible Universal Tractor Hydraulic/Transmission Fluid Specification Options:

- Chevron 1000 THF Trans/Hyd Fluid
- CAT TO-2
- John Deere JDM J 20C
- MF M1135, M1141, M1143, M1145
- Kubota UDT Fluid
- Case New Holland MAT 3525
- NAPA Tractor Hyd/Trans Fluid 85-401
- Case MS 1207, 1210
- Ford ESN-M2C86-B, ESN M2C86-C, ESN-M2134-D
- FNHA-2-C-201
- ZF TE-ML 03E, 06K, 17E
- Tractor Supply Premium Trans/Hyd Fluid
- VP Racing J20A Plus Utility Tractor Fluid

For Cold Weather (sub-zero F) Applications, use either of the following Synthetic Hydro Fluids:

--Amsoil ATH-05

--Shell Spirax (S3 TLV)



Tractor models 660, 770 & 779 with PowerSafe® clutch and Hydrostatic Drive

After the first 30 hours of use:

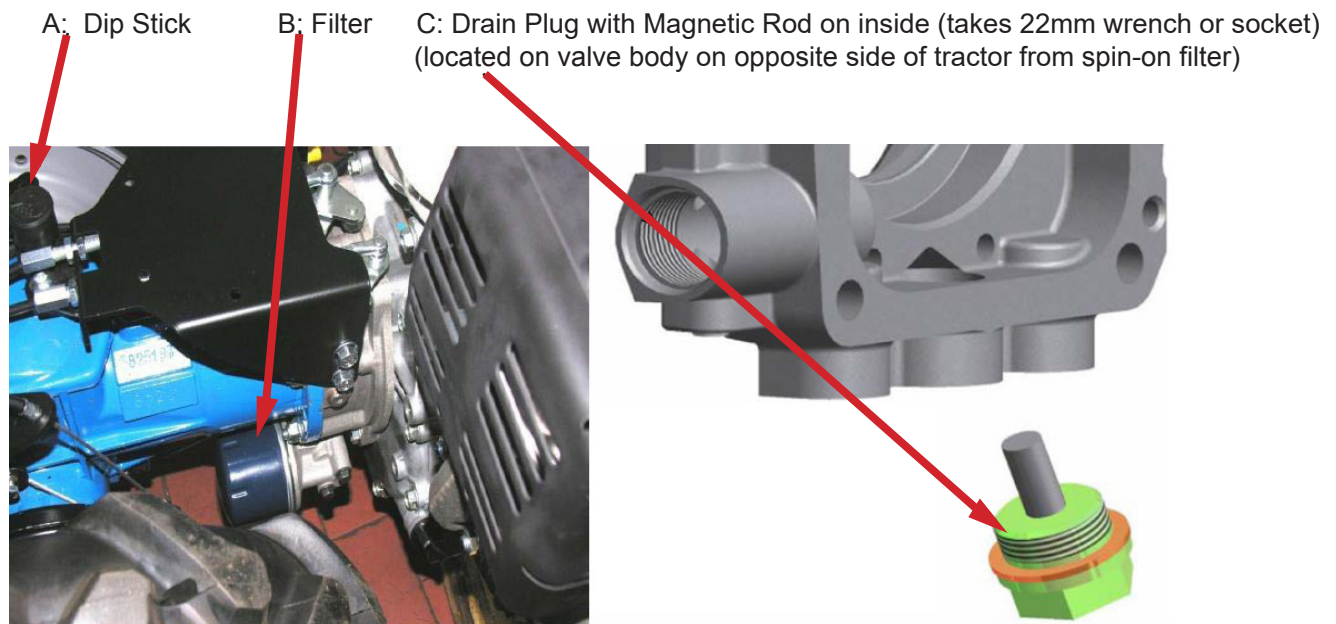
- With implement removed from tractor (so that tractor engine slants downward and rests on ground), remove Drain Plug (C) and drain fluid.
- Replace the Oil filter (B) with OEM filter (p/n 580C0268 or equivalent filter from Earth Tools).
- Clean the Magnetic Rod on the inside of the Drain Plug (C) and reinstall plug.
- Refill with proper fluid (see chart below) until the dipstick (A) shows the correct fluid level. MAKE SURE to "level out" the tractor before refilling!! Hydro models hold 3+ quarts of fluid, depending on specific model, so make sure you buy enough oil!

- Repeat the above procedure very 100 Hours of use or Once per Year (whichever occurs first):

Weekly: Check the fluid level using the gearbox dipstick (A), top off if necessary.

Compatible Fluid Specification Options for Hydrostatic PowerSafe® models 660 / 770 / 779:

- SAE 15-40 Engine Oil
- ACEA A3-08/B3-08
- API SL/CF
- API EC I
- VW 500/505.00



For a How-To Video on changing the transmission fluid on a PowerSafe® tractor, see this video:

<https://www.youtube.com/watch?v=aJhbMFp92q8>

or visit www.earthtools.com/videos/, scroll down to "service" section

QUESTIONS? Contact Earth Tools at 502-484-3988 or service@earthtools.com