



VBX and FORGE Hopper Spreader Gearbox Oil

SERVICE BULLETIN – MANDATORY REWORK

**Potential
Affected Units**

Model Number(s)	Description	Serial Number(s)
VBS14200C	V-BOX SPREADER,8000,AUGER,18+	411801621-412857187
VBS14210C	V-BOX SPREADER,8000,PINTLE,18+	412369033-412850796
VBS15150C	V-BOX SPREADER,6500,AUGER,18+	411974602-412801159
VBS15160C	V-BOX SPREADER,6500,PINTLE,18+	412280753-412854891
VBS15300C	V-BOX SPREADER,9000,AUGER,18+	411831370-412836084
VBS15310C	V-BOX SPREADER,9000,PINTLE,18+	412351732-412852976
VBS19500	V-BOX SPREADER,FORGE 1.0,AUGER	409680844-412391801
VBS19600	V-BOX SPREADER,FORGE 1.5,AUGER	410487338-412454337
VBS19610	V-BOX SPREADER,FORGE 1.5,PINTLE	412193163-412805397
VBS22200	V-BOX SPREADER,FORGE 2.0 LONG BED,AUGER	411841738-412854570
VBS22210	V-BOX SPREADER,FORGE 2.0 LONG BED,PINTLE	412098096-412854725

Situation

BOSS Products has identified oil present in VBX and Forge gearboxes that does not meet our standards and compromises performance in colder temperatures. At temperatures below 20° F, units may go into a Feeder Jam or Feeder Error condition due to high amperage draw. Affected units will fall into the serial number ranges listed above and will have one of the following OEM serial numbers located on the gearbox itself. Gearboxes without these serial number prefixes are not affected and do not require a fluid change:

- Auger Drive Units (VBS14470) – Serial numbers beginning with 2091, 2121, 2032, 2042, 2052
- Pintle Drive Units (VBS14471) – Serial numbers beginning with 2121, 2032, 2042, 2052

To achieve proper operation of VBX and Forge spreaders, it will be necessary to drain the existing fluid and replace with new fluid that meets qualified specifications. Qualified fluids include:

- Part Number 142-8127 - LUBE-GEAR [75W-90] available from BOSS (note this fluid may be branded Exmark to increase availability)
- Mobil 1 Syn Gear Lube LS 75W-90 (available in auto part stores)
- Valvoline SynPower Full Synthetic SAE 75W-90 (available in auto part stores)

Affected gearboxes will require approximately .8L (27 oz) of oil to fill to the recommended level, the centerline of the Sight Window.

Spreaders shipping after 10/24/2022 that fall into the serial number range above have been reworked at the factory prior to leaving. This can be confirmed by a yellow paint mark above the sight window as shown in Figure 1 below.



Figure 1

Corrective Action

1. Ensure vehicle is parked on level ground and spreader is unplugged.
2. Remove the front cover of the spreader to access the gearbox.
3. Place a drain pan under the bottom drain plug of the gearbox, remove the drain plug and the fill plug to allow adequate draining of oil. (See Figures 2 and 3)
4. Drain the oil for at least 3 minutes or until oil is slowly dripping.
5. Reinstall the bottom drain plug.
6. Fill the gearbox with the specified oil until the oil level appears in the center of the sight window, approximately .8 L. (See Figure 4)
7. Reinstall the fill plug.
8. Reinstall the front cover of the spreader.

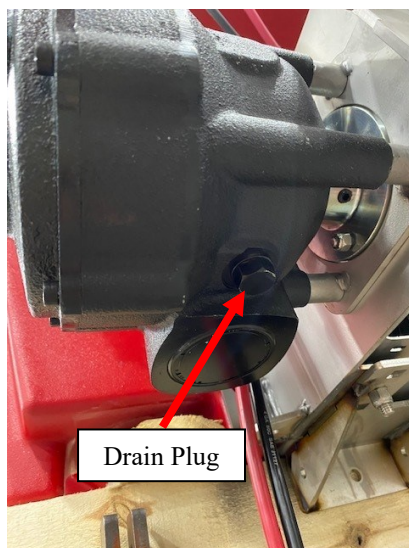


Figure 2

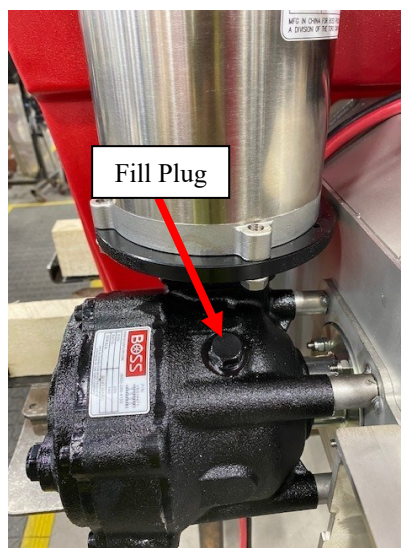


Figure 3

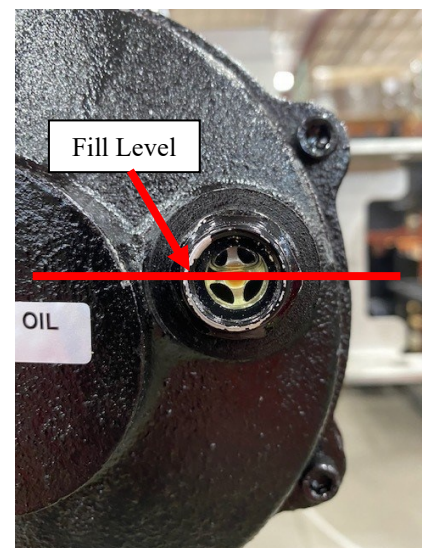


Figure 4

Warranty

BOSS will cover the cost of the oil, in addition to 1 hour of labor time for each spreader needing a gearbox oil change. Warranty claims must be filed through the PRW warranty program. All claims must include the serial number and model number of the affected units and include a note regarding Service Bulletin SV172. Individual claims must be filed for each spreader requiring an oil change. Claims should be filed as STOCK claims if unit is unsold, and as a NEW WARRANTY if unit is sold. If aftermarket oil is purchased locally, this cost will need to be added in the 'Other Charges' tab of PRW. Please contact BOSS Technical Service for any questions on filing a claim.