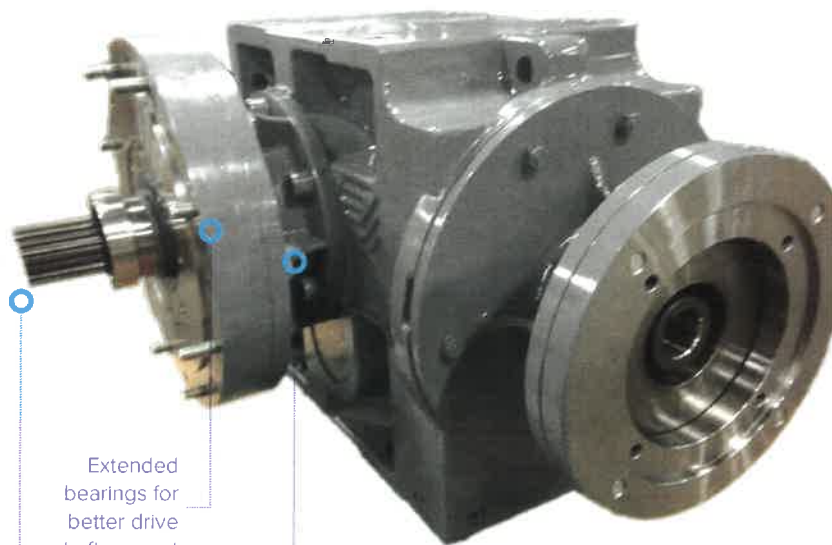


XL Unloader™ Gearbox

Technical Data Sheet



Extended bearings for better drive shaft support

Regreasable bearing that prevents bearing contamination

Integrated drive shaft for reduced clearances and improved gearbox life

Harvestore's new **XL Unloader™ Gearbox** is a result of the commitment to an ongoing product development and improvement program. The new Gearbox for the Harvestore XL Unloader is designed to meet the demands of today's modern feeding systems. Gearboxes can be retrofitted with ease to the XL 200 and XL 400 Unloaders.

Increased diameter of bolts connecting lower shear plate to advance gearbox housing



ADVANCED GEARBOX PERFORMANCE

NEW Custom Designed Gearbox Includes:

Standard right angle gearbox on XL Ag and Industrial Unloaders providing additional overhead clearance

Integrated drive shaft for reduced clearances and improved gearbox life

Static sight glass included with all units

Regreasable bearing that prevents bearing contamination

Extended bearings for better drive shaft support

Higher radial load ratings

Increased diameter of bolts connecting lower shear plate to arm advance gearbox housing

Service factor rating above 1.5

Runs 10% cooler than smaller gearboxes



» Sight glass included on all units

Additional Unloader Improvements Include:

New adhesive for all XL discharge door gaskets; bolt on gasket for XL 400 housings

All unloader housings are factory pressure tested

Paddle extensions that are designed to support conveyor chain, reducing the radial loads on the main drive gearbox

Redesigned sprockets for reduced chain tension and reduction of material buildup between chain and sprocket

Optional remote unloader operation and monitoring

Sight Glass

With the addition of a sight glass, the oil level can easily be checked daily to ensure it is operating within the normal range. A sample for analysis can be obtained by simply removing the sight glass and suctioning a small amount of the oil. This should be completed shortly after running the unloader. Oil should be analyzed once per year or every 2,500 hours, whichever comes first. Most local lubrication suppliers provide oil analysis services. Once the results are obtained, you can refer to the chart below for evaluation.

Analysis Parameter	Borderline Value	Unsatisfactory Value
Water	0.05% (500ppm)	0.10% (1000ppm)
TAN increase	40%	> 75%
Viscosity change in ISO limits	10%	> 20%
Iron	75-100ppm	> 100ppm
Copper	50-75ppm	> 75ppm
Silicon	15-20ppm	> 20ppm

» Information from FSB AG16005 on oil monitoring and sampling

