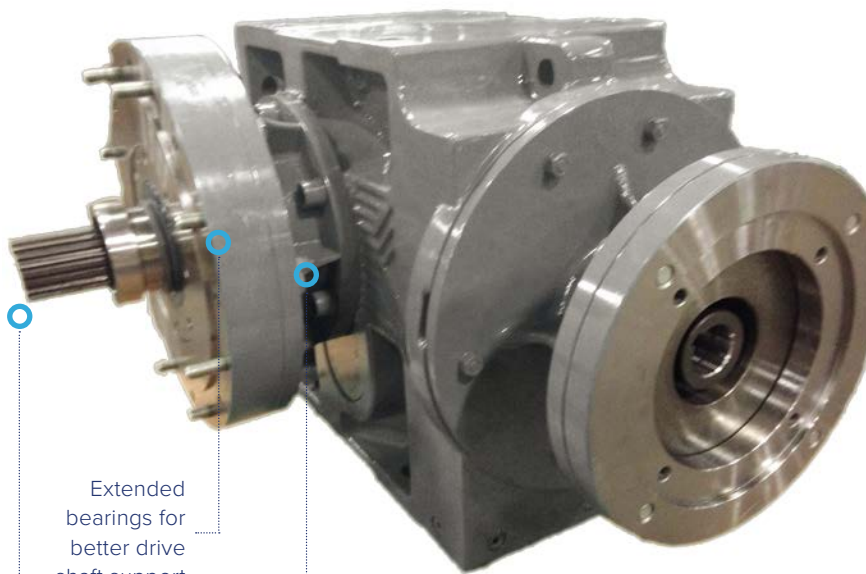


XL Unloader™ Gearbox

Technical Data Sheet

CST



Extended bearings for better drive shaft support

Regreasable bearing that prevents bearing contamination

Integrated drive shaft for reduced clearances and improved gearbox life

CST's new **XL Unloader™ Gearbox** is a result of CST's commitment to an ongoing product development and improvement program. The new Gearbox for CST's 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

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