TRADITIONAL EXTERNAL CONVEYOR DRIVE vs. VDG GRIZZLYDRIVE® DRUM MOTOR

Conveyor Drive Maintenance Cost Comparison (USD) Based on 80,000 Hours of Operation

Lubrication:	Traditional External Conveyor Drive System (50 hp) Gearbox	Motor Bearings	Shaft Bearings	VDG One-Component Conveyor Drive GrizzlyDrive® Drum Motor (50 hp)
Recommended Lubricant Change Intervals	2,500 hrs.	2,000 hrs.	1,000 hrs.	After 80,000 hrs.
Number of Changes per 80,000 Hours	32	40	80	1
Amount of Lubricant Required per Change	2.3 gal	2.5 oz	4.0 oz	12 gal
Amount of Lubricant Used per 80,000 Hours	73.6 gal	100 oz.	320 oz.	12 gal
Cost of Lubricant per Gallon or Ounces	$45/gal	$2/oz.	$2/oz.	$45/gal
Lubricant Cost for Component(s)	**$3,312**	**$200**	**$640**	**$540**
TOTAL COST OF LUBRICANT:	**$4,152**			**$540**
Labor:				
Time Required per Change	0.5 hrs.	0.1 hrs.	0.1 hrs.	0.5 hrs.
Total Time	16 hrs.	4 hrs.	8 hrs.	0.5 hrs.
Weighted Hourly Wage	$90	$90	$90	$90
Labor Cost for Component(s)	**$1,440**	**$360**	**$720**	**$45**
TOTAL COST OF LABOR:	**$2,520**			**$45**
TOTAL MAINTENANCE COST:	**External Conveyor Drive System** **$6,672** *($8.34/100 hrs.)*			**VDG GrizzlyDrive® Drum Motor** **$585** *($0.73/100 hrs.)*

VDG GrizzlyDrive® Drum Motors Reduce Maintenance Costs by Up to 91%

For mining, aggregate, bulk material handling, and other demanding industries, these savings translate directly into a lower total cost of ownership, reduced downtime, and increased productivity. Fewer moving parts, no external drive components to align or lubricate, and a compact, fully enclosed design mean less time spent on maintenance and more time moving material. When considering the full lifecycle cost of a conveyor, VDG GrizzlyDrive® Series Drum Motors deliver exceptional performance while reducing maintenance expenses, improving reliability, and maximizing uptime where it matters most.

Note: *Wages, lubricant quantities, and associated costs are estimates. External drive system maintenance requirements may vary by manufacturer and application. Actual maintenance costs and savings may vary.*

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