



# HY MOLY XP

GREASE FOR EXTREME REQUIREMENTS

VORTA HY MOLY XP Grease is solid lubricant containing multipurpose lithium hydroxy stearate soap greases based on paraffinic mineral oils WITH extreme pressure anti-wear grease that is especially formulated for use in all types of heavy duty automotive, construction, mining, farming and industrial equipment that are being used under adverse conditions of excessive pressure, high shock loading, extreme hot and cold temperatures and moisture.

VORTA HY MOLY XP Grease is suitable for plain bearings and gears in wide variety of applications. This can also be used in slow speed rolling and angular contact bearings having adequate clearance to take care of solid particles.

## 5% Molybdenum Disulfide

**VORTA HY MOLY XP Grease meets and exceeds the following specifications and manufacturer's requirements: US Steel 346, 352, 355, 370 371 specifications, Caterpillar MPGM, Caterpillar's 5% Molybdenum Disulfide Requirement for pin and bushing applications, Komatsu, MIL-G-234C, Case-IH 251H, John Deere, New Holland, Ford M1693A, General Motors, Chrysler, P&H 472B, 472C and 472D, Federal Specification VV-G-632A, MIL-G-4343C, MIL-23549C, DOD-G-24508A(Navy), JIS K2220, DIN 515825, SKF, Fag, INA, Torrington, Timken, Rexnord Link-Belt Bearing Division, Koyo, NTN Bearing, and Roller Bearing Company of America.**

**VORTA HY MOLY XP Grease can be applied either manually or by a heavy-duty automatic lube system. VORTA HY MOLY XP Grease has an operating temperature of -30°F to 350°F.**

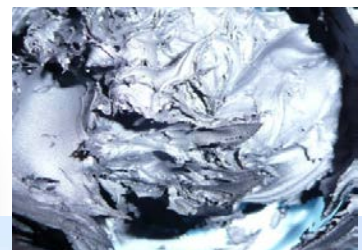
VORTA HY MOLY XP Grease is particularly recommended for use under boundary lubrication conditions, especially where sliding motion of vibrations can cause the grease to squeeze out from the surfaces in contact.

VORTA HY MOLY XP Grease provide protection against fretting corrosion, typically associated with splined shafts, pivot pins, constant velocity joints, other ball joints and on parts subjected to oscillating and sliding motion.

VORTA HY MOLY XP Grease is generally recommended for all difficult service condition such as dust, exposure to vapors and rains, recurrence of shock loads.

VORTA HY MOLY XP Grease can also be dispensed through centralized lubrication system.

GRADE	TEST METHOD	UNIT	HY MOLY XP
NLGI Classification			2
Thickener			lithium hydroxy stearate
Texture			Smooth Homogeneous
Flash point-base oil	ASTM D92	°C	> 300
Ignition Temperature		°C	> 370
Drop Point	ASTM D556	°C	> 190
Rusting Test	IP 220	Rating	0
Work Penetration 60 strokes @ 25 °C	ASTM D217	0.1mm	265-295
4ball weld load	IP 239	Kgs	200min
Base Oil Viscosity @40 °C			242
Base Oil Viscosity @100 °C	ASTM D445	cSt	22
Usable temp. range		°C	-20 - 140



The above figures are typical of those obtained with normal production tolerances and do not constitute a specification.