

# HYDRAMAX HM 3

## HEAVY DUTY SPINDLE OIL

### PREMIUM TECHNOLOGY

HIGH PERFORMANCE HYRAULIC SPINDLE OIL DEVELOPED FROM DECADES OF EXPERIENCE IN CONJUNCTION WITH ORIGINAL EQUIPMENT MANUFACTURERS.

THE USE OF OUR PROPRIETARY BASE OIL TECHNOLOGY, ALONG WITH INNOVATIVE ADDITIVE CHEMISTRY GUARANTEES LONG OIL LIFE WITHOUT ANY COMPROMISE OF EQUIPMENT RELIABILITY.

#### APPLICATIONS

DESIGNED FOR NORMAL & SEVERE DUTY HIGH SPEED SPINDLE SYSTEMS WHERE A LOW VISCOSITY ZINC CONTAINING MINERAL OIL IS REQUIRED. SUCH SYSTEMS INCLUDE HORIZONTAL, VERTICAL, BED-TYPE, KNEE-TYPE AND TURRET TYPE CNC MILLING MACHINES, HIGH SPEED NEEDLE AND SPINDLE BEARINGS IN INDUSTRIAL, AGRICULTURAL AND TEXTILE MACHINERY. ALSO SUITABLE FOR USE IN LOW PRESSURE HYDRAULIC SYSTEMS WHERE A VERY LOW VISCOSITY FLUID IS REQUIRED.

ALWAYS REFER TO EQUIPMENT HANDBOOK / OPERATING MANUAL FOR RECOMMENDED OIL SPECIFICATION & VISCOSITY GRADE BEFORE USE.

NOT SUITABLE FOR USE IN SYSTEMS WHERE SILVER PLATED COMPONENTS OR ASHLESS (ZINC FREE) OILS ARE REQUIRED. PLEASE CONSULT US FOR A RECOMMENDATION FOR SUCH SYSTEMS.

#### KEY FEATURES

- HIGH PERFORMANCE PREMIUM TECHNOLOGY
- OUTSTANDING WEAR PROTECTION
- SUPERB RUST & CORROSION RESISTANCE
- EXCELLENT OXIDATION RESISTANCE PROVIDES LONG OIL LIFE

#### PERFORMANCE SPECIFICATIONS & SYNTOL RECOMMENDATIONS

DIN	51524 PARTS 1 & 2
AFNOR	NF-E 48-603
ISO	6743-4 HM

#### PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	LIMITS
VISCOSITY GRADE	ISO VG	-	3	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.820	-
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	3.0	2.7-3.3
POUR POINT	ASTM D97	°C	-42	-20°C MAX.
FLASH POINT (CoC)	ASTM D92	°C	90	>70
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	-
COLOUR	VISUAL	-	WATER WHITE TO PALE YELLOW	-