Technical Data Sheet

linelube

EMAX HV 46

HEAVY DUTY HYDRAULIC OIL

PREMIUM TECHNOLOGY

HIGH PERFORMANCE MULTI-GRADE HYRAULIC OIL DEVELOPED FROMDECADES 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 HYDRAULIC SYSTEMS WHERE A ZINC CONTAINING MINERAL OIL IS REQUIRED. SUCH SYSTEMS ARE COMMONLY FOUND IN INDUSTRIAL APPLICATIONS, MOBILE PLANT, CONSTRUCTION AND AGRICULTURAL EQUIPMENT.

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) HYDRAULIC OILS ARE REQUIRED. PLEASE CONSULT US FOR A RECOMMENDATION FOR SUCH SYSTEMS.

KEY FEATURES

- HIGH PERFORMANCE PREMIUM HYDRAULIC OIL TECHNOLOGY
- MULTI-GRADE DESIGN ENABLES USE OVER A VERY WIDE RANGE OF AMBIENT TEMPERATURES, AND ALSO PROVIDES PRODUCT RATIONALISATION OPPORTUNITIES
- OUTSTANDING PUMP WEAR PROTECTION
- OUTSTANDING SEAL COMPATIBILITY TO HELP REDUCE LEAKS AND OIL LOSS
- EXCELLENT OXIDATION RESISTANCE PROVIDES LONG OIL LIFE

PERFORMANCE SPECIFICATIONS & SYNTOL RECOMMENDATIONS

DIN	51524 PARTS 1, 2 & 3
ISO	6743-4 HV

PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	LIMITS
VISCOSITY GRADE	ISO VG	-	46	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.870	-
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	46.00	41.4 – 50.6
KINEMATIC VISCOSITY @ 100°C	ASTM D445	mm2/s	8.20	-
VISCOSITY INDEX	ASTM D2270	-	154	140 MIN.
POUR POINT	ASTM D97	°C	-30	-20°C MAX.
FLASH POINT (CoC)	ASTM D92	°C	215	190°C MIN.
FOAMING TENDENCY (SEQUENCE I, III, III)	ASTM D892	mL	0/0, 0/0, 0/0	50/0, 50/0, 50/0
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	-
COLOUR	VISUAL	-	AMBER	-