

## Autonics AEH - Industrial Hydraulic Fluid

Premium Anti-Wear Industrial and Mobile Hydraulic System Fluid

PRODUCT CODE: AEH (32 to 220)

PRODUCT TYPE: Hydraulic Fluid

### 1. PRODUCT DESCRIPTION

**Autonics AEH - Industrial Hydraulic Fluid** is a premium anti-wear hydraulic lubricant formulated to meet the severe requirements of high-pressure industrial, construction, and mobile hydraulic systems. Featuring a clear, transparent amber liquid appearance, it combines highly refined base stocks with dedicated anti-wear, anti-foam, and rust-inhibiting additives to maintain peak system fluid integrity and stable power transmission under varying temperature ranges.

### 2. FEATURES AND BENEFITS

- Excellent Anti-Wear Properties:** Provides robust film protection to minimize mechanical component wear in high-load pumps, motors, and valves.
- Thermal & Oxidative Stability:** Strongly resists fluid breakdown and sludge generation, actively extending oil change longevity.
- Rust & Corrosion Protection:** Guards internal system parts from humidity-driven rust and chemical corrosion.
- High Viscosity Index (VI):** Ensures uniform fluid performance and strong film integrity across a wide operating temperature scale.
- Water Separation & Foam Control:** Facilitates rapid water demulsibility and high foam control to avoid air entrapment and maintain fluid pressure.
- Good Filterability & Sealing:** Enhances micro-filter efficiency while showing outstanding compatibility with standard sealing materials.

### 3. TECHNICAL SPECIFICATIONS

PROPERTIES	METHOD	UNIT	32	46	68	100	150	220
ISO Viscosity Grade	—	—	32	46	68	100	150	220
Kinematic Visc. @ 40°C	ASTM D445	mm <sup>2</sup> /s	32	46	68	100	150	220
Kinematic Visc. @ 100°C	ASTM D445	mm <sup>2</sup> /s	5.4	6.84	8.9	11.5	14.9	19.5
Viscosity Index (VI)	ASTM D2270	—	102	103	104	101	100	100
Flash Point	ASTM D92	°C	215	220	230	244	244	270
Pour Point	ASTM D97	°C	-18	-18	-18	-15	-15	-12

### 4. APPLICATION GUIDELINES

- Industrial Machinery:** Engineered for highly loaded industrial hydraulic circuits, production manufacturing machines, and general plant equipment.
- Mobile & Construction Equipment:** Perfectly suited for mobile heavy machinery handling extreme operating pressures, including construction, mining, and agricultural equipment.
- Marine & Automotive Systems:** Highly recommended for general-purpose high-pressure automotive and marine hydraulic systems requiring stable, low-maintenance operations.

### 5. SAFETY, HANDLING & STORAGE GUIDELINES

**Handling & Storage:** Always avoid prolonged, repetitive skin contact. Utilize proper personal protective equipment (PPE), including oil-resistant safety gloves and protective goggles during handling. Store fluid packages in a clean, cool, and dry space away from direct outdoor weather or sunlight. Available in premium \*\*20-Liter Buckets\*\* and \*\*208-Liter Drums\*\* packaging variations.

**First Aid Measures:** Skin contact: instantly clean affected zones with soap and water. Eye contact: flush cleanly with water and request medical evaluation immediately. If accidentally ingested, \*\*do not induce vomiting\*\*; seek medical attention immediately.

#### FAISALABAD OFFICE

Plot 239/3, Engineering Street, Near Angle International College,  
West Canal Road, Faisal Town, Faisalabad, Pakistan.

#### KARACHI REGIONAL OFFICE

Plot No 34C, 14th Commercial Street,  
DHA Phase-II Extension, Karachi, Pakistan.

Phone: +92-41-5488197 • Email: sales@autonicsengineering.com • Web: [www.autonicsengineering.com](http://www.autonicsengineering.com)