

1. PRODUCT DESCRIPTION

AISO Industrial Lubricants provide performance-engineered solutions for demanding manufacturing, processing, and heavy-industry applications. The range covers hydraulic systems, gear drives, compressors, turbines, circulating systems, and specialty industrial applications -- all formulated to minimise downtime, extend equipment life, and reduce total cost of ownership.

2. KEY FEATURES

- Anti-wear hydraulic oils meeting ISO VG 22 to 100 -- HLP, HVLP, HM grades
- Industrial gear oils: ISO VG 68 to 680, API GL-4/GL-5, CLP/SHC grades
- Compressor oils: VDL/DAB type for rotary screw, reciprocating, and centrifugal units
- Turbine oils: R&O inhibited, GE / Siemens / Alstom approval grades
- High-viscosity index (HVI) and extremely high-viscosity index (XHVI) options
- Zinc-free and ashless formulations for sensitive environmental applications
- Extended oil drain intervals -- up to 10,000 hours in hydraulic systems
- Food-grade lubricants: NSF H1 registered for incidental food contact

3. APPLICATIONS

- Hydraulic power systems in mobile and stationary equipment
- Industrial gearboxes, reducers, and worm drives
- Rotary screw, reciprocating, and centrifugal air compressors
- Steam, gas, and hydro turbines
- Centralized circulating lubrication systems
- Metalworking: cutting, grinding, forming, and drawing operations
- Food and beverage processing machinery (NSF H1 range)
- Marine deck and below-deck machinery lubrication

4. TYPICAL PROPERTIES (REPRESENTATIVE: HYDRAULIC OIL ISO VG 46)

Property	Typical Value
Kinematic Viscosity @ 40 degC (mm2/s)	~44-48
Kinematic Viscosity @ 100 degC (mm2/s)	~6.5-7.0
Viscosity Index	>= 100 (HLP), >= 150 (HVLP)
Flash Point (PMCC, degC)	>= 200
Pour Point (degC)	<= -30
Density @ 15 degC (kg/L)	~0.875
Zinc content (wt%)	< 0.05 (zinc-free grade)
FZG Scuffing Load Stage	>= 11
Water Separability @ 54 degC (min)	<= 30
Foam Tendency/Stability (Seq I, ml)	<= 10/0

5. AVAILABLE GRADES

- Hydraulic Oils: ISO VG 22, 32, 46, 68, 100 (HLP, HVLP, HM, HV grades)
- Gear Oils: ISO VG 68, 100, 150, 220, 320, 460, 680
- Compressor Oils: ISO VG 32, 46, 68, 100, 150
- Turbine Oils: ISO VG 32, 46, 68
- Circulating Oils: ISO VG 2-460
- Transformer / Insulating Oils: IEC 60296 Class I & II

6. PACKAGING

- 20 Litre jerry cans
- 200 Litre steel drums
- 1000 Litre IBC tote
- Bulk tanker delivery available

7. STORAGE & HANDLING

Keep in sealed original containers in a dry, cool, covered area. Protect from water contamination and freezing. Recommended storage temperature: 5 degC to 40 degC. Shelf life: 3-5 years from manufacture in original sealed containers. Consult Safety Data Sheet before handling.

DISCLAIMER

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