

## I-12A, I-20A, I-40A, I-50A

*Industrial Oils Without Additives*

**I-12A, I-20A, I-40A, I-50A** – industrial oils without additives intended for general purpose industrial systems lubrication. They are made of solvent refined base oils and provide system efficiency of industrial machines and mechanisms which are not required additional oxidation and corrosion protection.

### Applications

- General industrial lubrication
- Some industrial hydraulic systems under low loads and pressures
- Lightly loaded industrial gears and bearings where special characteristics are not required
- Base stock in production of additives, greases and metalworking fluids
- Not applicable for systems requiring oils with anti-wear, anti-oxidation, anti-corrosion, EP and anti-stick-slip properties

### Typical Characteristics

Properties	Method	I-12A	I-20A	I-40A	I-50A
ISO Viscosity Grade		15	32	68	100
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D 445	14,0	31,2	65,8	97,7
Flash Point (COC), °C	ASTM D 92	179	222	236	247
Pour Point, °C	ASTM D 97	-15	-15	-15	-15
Total Acid Number, mg KOH/g	ASTM D 664	absence	0,01	0,01	0,01
Ash, wt%	ASTM D 482	0,002	0,005	0,005	0,005
Density @20°C, kg/m <sup>3</sup>	ASTM D 4052	854	871	882	887
ASTM Color	ASTM D 1500	0,5	1,0	2,0	3,0

### Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.