



# IDO SERIES 1

**IDO SERIES 1** is blended with selected 100% paraffinic high viscosity index (VI) base oils having low carbon-forming characteristics. These oils have high natural oxidation stability, enhanced with good dispersant, anti-oxidant, anti-wear and corrosion inhibitor additives of proven performance. **IDO SERIES 1** provides good sludge and varnish control, long filter life and good engine wear protection.

## Features

**IDO SERIES 1** meets or exceeds the following:

- API CF-2
- Detroit Diesel 7SE270

## Benefits

- Economical
- Proven field performance
- Versatile – can be used as hydraulic fluid

**IDO SERIES 1** SAE\* 30 and 40 are prime recommendations for Detroit Diesel 2-cycle engines, providing excellent protection for those engines operating under “stop and go” conditions and prolonged idling. The relatively low sulphated ash level of these oils is desirable to prevent port-blocking by ash deposits that can occur when oils with higher ash levels are used.

**IDO SERIES 1** oils can also be used as hydraulic oils as long as care is taken not to mix them with regular hydraulic oils.

\*SAE : Society Of Automotive Engineers



## Typical Performance Results

SAE GRADE	30	40
VISCOSITY (D-445)		
cSt @ 40°C	100.2	139.2
cSt @ 100°C	11.6	14.4
VISCOSITY INDEX (D-2270)	103	102
SPECIFIC GRAVITY (D-4052)	0.884	0.887
DENSITY (KG/L) @ 15°C	0.883	0.887
API GRAVITY @ 15.6°C	28.6	28.0
FLASH POINT (°C) (D-92)	262	278
TOTAL BASE NUMBER (D-664)	6.7	6.7
SULPHATED ASH (% wt.) (D-874)	0.8	0.8
ZINC (% wt.)	0.08	0.08

## Available Package Sizes

### IDO SERIES 1 SAE 30

- 16 x 946 ml (1 US qt.) Container
- 20 L (5.28 US gal.) Pail
- 210 L (55.5 US gal.) Drum
- 500 L (132 US gal.) Cube
- 1000 L (264 US gal.) Cube
- Bulk

### IDO SERIES 1 SAE 40

- 16 x 946 ml (1 US qt.) Container
- 4 x 3.78 L (1 US gal.) Container
- 20 L (5.28 US gal.) Pail
- 210 L (55.5 US gal.) Drum
- 500 L (132 US gal.) Cube
- 1000 L (264 US gal.) Cube
- Bulk

