

INA Sagartia S

General Description - Application

INA Sagartia S is multipurpose mineral engine oil designed for crankcase lubrication of low-speed marine diesel engines running on heavy residual fuels. It is suitable for use in geared transmissions, turbochargers, compressors, hydraulic systems, oil-lubricated stern-tubes, deck machinery and other ancillary equipment.

Good alkalinity protects internal crankcase parts from corrosion that can be caused by acids leaking through the piston rod gland. It is easily separated from water in centrifugal separators so that light water washing in separators is allowed to remove salts that remain after seawater intrusion into oil.

Performance Level – Specifications

SAE J300 Apr13

INA N 22-289 (SAE 30)

INA N 22-290 (SAE 40)

Properties	INA Sagartia S		Method
	30	40	
Density at 15 °C, g/cm ³	0,890	0,895	ASTM D 4052
Kinematic viscosity at 100 °C, mm ² /s	11,7	14,5	ISO 3104
Viscosity Index	94	93	ISO 2909
Dynamic viscosity (HTHS), mPa·s	3,5	4,1	CEC L-36-A-90
Flash point, °C	240	250	ISO 2592
Pour point, °C	-27	-24	ISO 3016
Total base number (TBN), mg KOH/g	5,0	5,0	ISO 3771
Sulphated ash, % (m/m)	0,70	0,70	ISO 3987
Foaming, tendency/stability, mL			ISO 6247
- at 24 °C	0/0	0/0	
- at 94 °C	15/0	15/0	
- at 24 °C after 94 °C	0/0	0/0	
FZG, failure load stage	11	11	ISO 14635-1

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.