

# AVIN Marine Series

## Hydraulic System Oils



## Technical Data Sheet

### HYDRAULIC AW SP

DIN 51524 Part 3 HVLP, DENISON HF-0/HF-1/HF-2, CINCINNATI P-68/P-69/P-70, ISO 1158 HH/HL/HM/HR/HV  
EATON I-286-S3

#### Description

HYDRAULIC AW SPECIAL OILS is a range of extra high viscosity index oils with extreme pressure properties specifically developed to meet the requirements of modern hydraulic systems that must operate at low ambient temperatures or under widely varying ambient temperature conditions. They contain rust and oxidation inhibitors, antiwear additives, extreme pressure and antifoam agents and VI improvers.

#### Functional Characteristics

Excellent antiwear performance.  
High resistance to oxidation.  
Good protection against rust and corrosion.  
Good foam resistance.  
High Viscosity Index  
Good water separation in hydraulic systems.

#### Typical Use

HYDRAULIC AW SP OILS have been specially formulated in order to satisfy wide temperature variations and viscosity range requirements of modern hydraulic systems. These oils are particularly recommended for all high pressure, vane, piston and gear-type hydraulic pumps, and for use in all hydraulic equipment operating at extreme temperature variation conditions.

#### Typical Characteristics

HYDRAULIC AW SP						
ISO	22	32	46	68	100	150
Specific gravity at 15°C/4°C	0,878	0,872	0,878	0,882	0,888	0,890
Viscosity at 40°C, cst	22,0	32,0	46,0	68,0	100,0	150,0
Viscosity at 100°C, cst	4,9	6,4	8,2	11,1	14,9	19,8
Viscosity Index	154	156	150	150	150	140
Flash Point (C.O.C.), °C	190	190	200	205	220	225
Pour Point, °C	-30	-36	-33	-30	-30	-21