



# GP

GENERAL PETROLEUM

[www.generalpetroleum.de](http://www.generalpetroleum.de)

## Product Data Sheet (PDS)



# INGEN HYDRAULIC AW 32/46/68/100

### Published By:

Technical Department of  
General Petroleum GmbH  
Frankfurt, Germany

### Last Update Date:

1/8/2019

# INGEN HYDRAULIC

## AW 32/46/68/100



INGEN HYDRAULIC AW 32/46/68/100 are anti-wear hydraulic oils designed for high-pressure hydraulic systems with gear, piston or vane pumps. Using field proven zinc-type anti-wear additive systems, INGEN HYDRAULIC AW OILS minimize wear in high-pressure vane and gear pumps and are also excellent performers in axial piston pumps using bronze components. INGEN HYDRAULIC AW has excellent thermal stability and effectively shed water allowing easy drainage of water from machine sumps.

### PERFORMANCE STANDARDS:

- Bosch Rexroth RDE 90235
- SEB 181222
- PARKER HF-0/HF-1/HF-2
- DIN 51524-2
- DIN 51524-3
- ISO 11158
- GB 11118.1-2011
- ASTM D6158
- AIST 126
- AIST 127

### FEATURES & BENEFITS:

- Very good resistance to oxidation.
- Very good thermo-oxidative properties.
- Excellent Demulsibility.
- Excellent resistance to shearing.
- Very good low-temperature properties.
- Multi-purpose usage.

### APPLICATIONS:

- Recommended for use in mobile, marine and industrial hydraulic systems.
- Meet or exceed the specifications from major pump manufacturers.
- Recommended for many other applications air compressors, industrial

Gear sets and speed reducers, air line lubricators, machine tool drives, etc. where anti-wear rust and oxidation inhibited lubricants are required.

## **TECHNICAL DATA**

<b>Sr. No</b>	<b>Characteristics</b>	<b>Test Method</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>
01	Appearance	VISUAL	B & C	B & C	B & C	B & C
02	Color	ASTM D-1500	1.5	1.5	L 2.0	L 2.0
03	Density @ 15 C, g/ml	ASTM D-4052	0.86	0.87	0.88	0.88
04	Viscosity @ 40 C, cSt	ASTM D-445	32	46	68	100
05	Viscosity @ 100 C, cSt	ASTM D-445	5.3	6.64	8.6	11.26
06	Viscosity Index	ASTM D-2270	96	95	97	97
07	Flash Point, COC, C	ASTM D-92	224	230	238	248
08	Pour Point, C	ASTM D-97	-27	-27	-24	-24

### **Health and Safety:**

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.