



## PRODUCT DATA

### Castrol Paradene AW

Castrol Paradene AW is a premium industrial anti-wear hydraulic oil line for hydraulically activated equipment that utilizes high performance pumps. They contain very effective anti-wear additives that allow them to meet or exceed industry vane, gear, and piston pump manufacturers' specifications. These fluids are highly dependable, peak efficiency oils, which meet the lubricant demands of precision industrial equipment.

Castrol Paradene AW will remain very stable and clean in today's machine tool equipment where increasingly sophisticated control systems are used.

### Features and Benefits:

- Effective anti-wear performance minimizes wear in industrial pump applications prolonging dependable equipment life
- Special non-silicone anti-foam additive allows for rapid release of entrained air and dependable system response for consistent work yield
- Careful selection of base stock coupled with optimum additives create maximum hydraulic component yield for long fluid life and equipment life savings

### Warranty and Protection Requirements:

- Exceeds all manufacturer's warranty requirements for applications requiring a Denison HF-O approved hydraulic fluid

### Industry Specifications and OEM Approvals by Grade:

- Denison HF-O, HF-1, HF-2 approved
- Vickers 35VQ25A - meets performance requirements
- Vickers M-2950-S Mobile Hydraulic Systems and I-286-S Industrial Hydraulic Systems
- Cincinnati Machine P-68 (ISO 32), P-70 (ISO 46) and P-69 (ISO 68) approved
- Meets Racine S106
- Meets Joy Mining Machinery HO-T (AW 46), HO-S (AW 68)
- Meets DIN 51524 Requirements



**Typical Properties:\***

Units		Method	Typical Results						
ISO Grade			22	32	46	68	100	150	320
Viscosity	40°C, cSt	ASTM D-445	22	33.2	46	68.5	100	150	321
	100°C, cSt	ASTM D-445	4.3	5.5	6.7	8.8	11.1	13.9	24.8
	100°F, SUS	ASTM D-2161	114	143	214	315	480	708	1489
	210°F, SUS	ASTM D-2162	40	44	47	55	62	73	120
Viscosity Index		ASTM D-2270	102	100	98	101	96	88	99
Flash Point	°C (°F)	ASTM D-92	205 (401)	211 (412)	215 (419)	226 (429)	226 (439)	232 (450)	245 (473)
Pour Point	°C (°F)	ASTM D-97	-32 (-26)	-32 (-26)	-27 (-17)	-26 (-15)	-15 (5)	-15 (5)	-10 (14)
Oxidation Life	Hours to TAN 2.0	ASTM D-943	-	4000	3500	3000	-	-	-
Gravity, API		ASTM D-287	33.5	32.9	30	28.8	27.5	27.3	25.5
Pounds per Gallon		ASTM D-287	7.14	7.17	7.3	7.35	7.4	7.45	7.5
Specific Gravity @60F	g/ml	ASTM D-1298	0.8591	0.861	0.877	0.884	0.89	0.8912	0.9015

\* Due to continual product research and development, the information contained herein is based on products purchased in the U.S subject to change without notification. Typical properties may vary slightly.

**Part Numbers and UPCs:**

API Grade	22	32	46	68	100	150	220	320
5 Gal. Pail Part No.	--	40217	40317	40417	--	--	--	--
55 Gal. Drum Part No.	40119	40219	40319	40419	40519	40619	40719	40919
260 Gal. Tote Part No.	401147	402147	403147	404147	405147	406147	407147	--
Bulk	40110	40210	40310	40410	40510	40610	--	--



### **Health and Safety:**

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet at [www.castrol.com/us](http://www.castrol.com/us). This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment, return used oil to collection center.

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