



PRODUCT BULLETIN

HYDRA-CAT 1000 SAE 20W

PRODUCT #132

CAM2 HYDRA-CAT 1000 was expressly designed for hydraulic systems on off-road machinery such as the yellow machines made by Caterpillar™ and many others. It is customary in this industry to use 10 weight engine oils for hydraulic fluids. Engine oils have several elements that are not required or harmful to modern hydraulic systems. For extra heavy duty performance, specifications require a minimum of 900 PPM of zinc from the anti-wear additive. This is far beyond the zinc levels for industrial anti-wear hydraulic oils. **HYDRA-CAT 1000'S** special formula for off-road equipment meets all the specifications for zinc and other content requirements. **HYDRA-CAT 1000 SAE 10W and SAE 20W** will give you better hydraulic performance, and will work through longer drain intervals than conventional anti-wear hydraulic oils at a significantly lower price than the standard 10 or 20 weight engine oil.

CAM2 HYDRA-CAT 1000's custom blended formula utilizes premium quality base stocks, a well know additive package for anti-wear hydraulic oils, and increased levels of zinc additives providing exceptional anti-wear and oxidation protection. **HYDRA-CAT 1000 complies with Caterpillar™** specifications and has a higher zinc anti-wear content than any commercial hydraulic oil in the nation. This formula is similar to years past when industrial anti-wear oils had much more zinc and Caterpillar™ accepted anti-wear hydraulic oils for their equipment. As the industrial anti-wear oils drifted to lower zinc levels, Caterpillar™ began to require 10 weight engine oils to keep up zinc levels.

Every batch of **CAM2 HYDRA-CAT 1000** receives careful quality control inspection. We offer Certificates of Analysis with every bulk load. This product is backed by our technology supplier who is in direct contact with the equipment builders. Careful attention to our customer needs and to the recommendations from our technology supplier have produced a winning concept; **CAM2 HYDRA-CAT 1000**.

FEATURES

- High Zinc content to meet Caterpillar's robust anti-wear and water dispersion performance standards
- Robust 4,000 hr drain interval in well maintained systems
- Excellent oxidation resistance
- Excellent anti-wear protection
- Excellent rust protection
- Superior wet or dry filterability
- Low pour point for all season use
- Excellent thermal stability
- Excellent additive stability
- Good hydrolytic stability
- Low cost of operation
- -13°F to 122°F operating temperature range (10W)
- -4°F to 135°F operating temperature range (20W)



CAM2 INTERNATIONAL, LLC

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See Technical Data on pg 2.



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APPLICATIONS

- Caterpillar™ Anti-wear Hydraulic Oil
- Vickers I-286-S and M-2950-S
- Cincinnati Milacron P-68, P-69, P-70
- Jeffery No. 87
- U.S. Steel 127, 136
- Liebherr
- General Motors LH-04-1, LH-06-1, LH-15-1
- Dennison HF-1, HF-2, HF-0
- Lee Norse 100-1
- Ford M-6032
- B. F. Goodrich 0152

TECHNICAL DATA

| SAE GRADE | 10W | 20W |
|------------------------|---------|---------|
| Product Code | 131 | 132 |
| Viscosity @ 100°C, cSt | 4.3-5.4 | 8.7-9.6 |
| ISO Viscosity Grade | 32 | 68 |
| Viscosity Index | 95 min | 95 min |
| Specific Gravity | 0.880 | 0.880 |
| Flash Point: °C | 234 | 236 |
| Pour Point: °C | -41 | -39 |
| Zinc, ppm | 1250 | 1250 |

Contact your CAM2 representative or CAM2 distributor for additional information.

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