Product Description
D-A Hydra Z™ is a light colored hydraulic fluid specifically designed to support the performance requirements of off-road construction equipment where heavy-duty diesel oils are recommended and preferred. This fluid is formulated to far exceed 900 ppm zinc anti-wear additive, while also containing rust and corrosion inhibitors. Hydra Z hydraulic fluid will also disperse small amounts of water to limit pump damage when water contamination is unavoidable.
Hydra Z is formulated with long service life high viscosity index base stocks providing high-performance protection against scuffing in hydraulic pumps and motors used in high pressure systems.

Product Features and Benefits
Extra antiwear additive limits mechanical wear in low and high pressure vane pumps for longer pump life and reduced operating cost.
Contains detergents and dispersant additives to minimize the formation of deposits and to act as emulsifiers to suspend water - thus preventing “slugs” of water from damaging hydraulic system components.
Special highly effective inhibitors protect against metal corrosion in the toughest service environments.
Low chlorine, less than 1 ppm, to protect systems that can be damaged by chlorine containing fluids.
Basic detergents neutralize corrosive acids that form during high temperature service.
Typical Applications
Supports the performance requirements of:
API CD/CF applications
Vickers 35VQ25
Hydraulic Power Systems, when engine oils are recommended
Rotary Air Compressors

Typical Properties
ISO Viscosity Grade
SAE Viscosity Grade  J-600  10W  20W
Appearance       Light color   Light color
Viscosity, typical
  @ 100°C, cSt    ASTM D445   6.6   8.7
  @ 40°C, cSt     ASTM D445   42.7  65.0
Viscosity Index, typical
  ASTM D2270   105  105
Borderline Pumping Temp., °C
  ASTM D3829   -30  -20
Cold Cranking Viscosity
  @ -25°C        ASTM D5293   6900  n/a
  @ -15°C        ASTM D5293   n/a  4000
Flash Point
  °F            ASTM D92    410   425
  °C            ASTM D92    210   218
Zinc, ppm typical
  ASTM D4951   1090  1090
Gravity, API
  ASTM D287   28.8  28.5
Total Base Number
  ASTM D4739   5     5
Chlorine, ppm typical
  ASTM D808-11 <1    <1

Drum, 55 Gal    55342  55352
Pail, 5 Gal     55348  n/a
4-1 Gal Case, net 4 Gal  55344  n/a