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## LUBENET HEAVY DUTY UNIVERSAL TO-4

### PRODUCT SPECIFICATIONS & TECHNICAL DATA

**DESCRIPTION:** LUBENET HEAVY DUTY UNIVERSAL TO-4 OIL is specifically designed to exceed power shift transmission oil specification of Caterpillar, Allison's C-4, transmission oil requirement. LUBENET HEAVY DUTY UNIVERSAL TO-4 OIL provides excellent friction material performance, oxidation stability, elastomer compatibility and wear control in these power shift transmissions, final drive application as well as most hydraulic systems. It improves the power transfer of all transmissions – especially those with fluoroelastomer or Viton Clutch material. Superseding today's highly dispersant Caterpillar TO-2 transmission oils which can cause these clutch materials to become prematurely brittle. LUBENET HEAVY DUTY UNIVERSAL TO-4 OIL ensures long trouble free transmission seal and component life.

LUBENET HEAVY DUTY TO-4 OIL meets or exceeds the specs for the following manufacturers.

#### POWERSHIFT TRANSMISSION:

ALLISON C-3, C-4  
AUSTON WESTERN  
BANTAM  
CATERPILLAR TO-4  
KOMATSU & KOMATSU DRESSER  
DYNAHOE  
EUCLID EEMS 19008G  
FIAT ALLIS  
HARNISCHFEGGER  
INSLEY  
MASSERY FERGUSON CMS-M1110  
SAE POWERSHIFT FLUID J1285  
TEREX

#### HYDRAULICS:

CATERPILLAR TO-4  
COMMERCIAL SHEARING  
TYRONE  
VICKERS 35VQ25 (High Pressure)  
VME-EEMS 19010F

#### OTHER APPLICATIONS:

MOTOR API CF2,CF (30 wt. Only)  
GEAR OIL API GL-3  
SPICER (Dana) TRANS  
EATON FULLER

#### HYDROSTATICS:

CATERPILLAR  
EATON NO.: 3-401  
SUNSTRAND BLN-9887

|                       | <u>SAE 10</u> | <u>SAE 30</u> | <u>SAE 50</u> |
|-----------------------|---------------|---------------|---------------|
| API GRAVITY           | 31.9          | 30.7          | 29            |
| VISCOSITY Cst @ 40°C  | 38.3          | 110           | 185           |
| VISCOSITY Cst @100 °C | 6.1           | 11.9          | 19.8          |
| VISCOSITY INDEX       | 95            | 95            | 95            |
| FLASH POINT F.        | 420           | 480           | 505           |
| POUR POINT F.         | -25 F.        | -10 F.        | 0 F.          |

The above analyses are typical inspections only and the finished product may vary from batch to batch