

# Technical Data Sheet (TDS)

# 77020A

## HYDRAULIC OILS 46

### Product Description:

Hydraulic Oils are full anti-wear hydraulic fluids designed and developed to be used in industrial power transmission and control systems. They incorporate performance improvement additives to offer greater anti-wear characteristics, oxidation resistance and corrosion protection.

### Applications:

For most hydraulic power transmission systems where reciprocating or rotary fluid pumps are used, including reciprocating and axial piston units, rotary gear and vane pumps. The main application for hydraulic fluids will be found in static industrial hydraulic systems and mobile earth moving plant and is suitable as a circulation oil.

### Product Profile:

Vickers Vane Pump (IP281)  
 ASTM D665 A & B  
 DIN 51524 Part II  
 Denison HF-2  
 Copper Corrosion (ASTM D130)  
 FZG (CEC LO7-A-85)  
 Demulsibility (ASTM D1401) & (IP19)  
 TOST (ASTM D943)  
 Air Release (IP 313)

### Benefits:

Excellent anti-wear characteristics. Offers resistance to oxidation. Corrosion protection.

### Typical Test Data:

Grade	-	5	10	15	22	32	37	46	68	100	150	220
ISO Viscosity Grade	-	5	10	15	22	32	37	46	68	100	150	220
Kinematic Visc @ 40°C	-	5	10	15	22	32	37	46	68	100	150	220
Kinematic Visc @ 100°C	-	1.4	2.7	3.6	4.4	5.5	6.0	6.8	8.8	11.3	14.5	19.2
Viscosity Index(VI)	-	91	95	100	100	100	100	100	100	100	100	101
Pour Point °C	-	-27	-25	-25	-25	-22	-22	-22	-19	-19	-19	-18
Flash Point C.O.C °C	-	160	180	180	205	210	215	225	230	245	246	250



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