

## TURALIK SERIES

TURALIK Series is hydraulic oil formulated from high viscosity index base oil and selected additive package. It is designed to provide protection from excessive wear, rust and corrosion and maintain system cleanliness from sludge and deposit.

TURALIK Series adalah pelumas hidrolis yang diformulasikan dari base oil yang memiliki viskositas index yang tinggi dan paket aditif pilihan. Pelumas ini didesain untuk melindungi sistem hidrolis dari keausan yang berlebih, karat dan korosi, serta menjaga kebersihan sistem hidrolis dari sludge dan deposit.

### TYPICAL CHARACTERISTICS

Characteristics	Test Method	TURALIK 41	TURALIK 43	TURALIK 45	TURALIK 48	TURALIK 52	TURALIK 69
ISO Viscosity Grade	-	22	32	37	46	68	100
Density at 15 °C, kg/l	ASTM D - 4052	0.8511	0.8719	0.8754	0.8750	0.8820	0.8834
Kinematic Viscosity , at 40 °C, cSt	ASTM D - 7279	22.20	32.09	37.00	46.55	68.49	101.0
at 1 00 °C, cSt	ASTM D - 7279	4.540	5.439	5.998	6.989	8.800	11.24
Viscosity Index	ASTM D - 2270	119	104	106	107	100	96
ASTM Colour	ASTM D - 1500	L 1.0	L 1.0	L 1.0	L 1.5	L 1.5	L 2.0
Flash Point, °C	ASTM D - 92	226	228	228	226	230	262
Pour Point, °C	ASTM D - 5950	-24	-21	-21	-21	-21	-21

### PERFORMANCE LEVEL

TURALIK SERIES meets below performance level :

- Fives Cincinnati P-68 (approved for Turalik 43).
- Fives Cincinnati P-69 (approved for Turalik 52).
- Fives Cincinnati P-70 (approved for Turalik 48).
- Denison HF-0, HF-1, HF-2 (approved for Turalik 43, 48, 52).
- Eaton Vickers I-286-S & M-2950-S (approved for Turalik 43).
- DIN 51524 Part 1, Part 2.
- U.S Steel 126, 127, 136.
- GM LS2.
- Sauer Danfoss.
- Bosch Rexroth RDE 90220, RDE 90240.
- Afnor NFE 48-690, NFE 48-691.
- JCMAS HK P041
- SEB 181 222
- ISO 11158 HM.
- ASTM D 6158 HM.

### APPLICATIONS

TURALIK Series is recommended for general hydraulic system, also for circulating or oil baths lubrication systems.

### TINGKATAN MUTU

TURALIK SERIES memenuhi tingkatan mutu :

- Fives Cincinnati P-68 (approved for Turalik 43).
- Fives Cincinnati P-69 (approved for Turalik 52).
- Fives Cincinnati P-70 (approved for Turalik 48).
- Denison HF-0, HF-1, HF-2 (approved for Turalik 43, 48, 52).
- Eaton Vickers I-286-S & M-2950-S (approved for Turalik 43).
- DIN 51524 Part 1, Part 2.
- U.S Steel 126, 127, 136.
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- JCMAS HK P041
- SEB 181 222
- ISO 11158 HM.
- ASTM D 6158 HM.

### PENGGUNAAN

TURALIK Series direkomendasikan untuk sistem hidrolis umum, serta untuk pelumasan sistem sirkulasi atau sistem bath.