

PERTAMINA

FOOD GRADE LUBRICANTS



Halal certified food grade hydraulic oil (H1 type) formulated from synthetic polyglycol base stocks and food grade approved additive packages meeting United States Food and Drug Administration (US FDA) regulations as set forth in 21 CFR section 178.3570 (lubricants with incidental food contact).

Pelumas food grade untuk hidrolik (tipe H1) yang memiliki sertifikasi halal, diformulasikan dari base oil sintetis (polyglycol) dan paket aditif food grade sehingga memenuhi standar *United States Food and Drug Administration* (US FDA) sebagaimana diatur dalam 21 CFR section 178.3570 (*lubricants with incidental food contact*).

Typical Characteristics

Characteristics	Test Method	PERTAMINA FG-HO 46
ISO Viscosity Grade	-	46
Appearance	Visual	Clear
Density at 15 °C, kg/L	ASTM D4052	1.0577
Kinematic Viscosity at 40 °C, cSt	ASTM D445	49.96
Pour Point, °C	ASTM D97	-48

SPECIFICATIONS / APPROVALS

- NSF White Book Listing of Nonfood Compounds as H1 Lubricants (oil with incidental food contact)
- InS of Nonfood Compounds as H1 Lubricants (oil with incidental food contact)

SUPERIORITIES

- Provide excellent lubricity and corrosion protection to prolong equipment lifetime.
- First halal certified food grade hydraulic oil.
- Difficult to ignite, burnt and do not propagate flames from the ignition source.

APPLICATIONS

PERTAMINA FG-HO 46 is recommended for general hydraulic equipment, in food, beverages or related product and pharmaceutical industries which requires incidental food contact oil (H1) and/or conform to US FDA regulations. Although it is compatible with most seal and hose materials, it is advisable to assure that the equipment manual book allows the application of polyglycol based lubricant.

SPESIFIKASI / APPROVAL

- NSF White Book Listing of Nonfood Compounds as H1 Lubricants (oil with incidental food contact)
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KEUNGGULAN

- Memberikan pelumasan dan perlindungan korosi yang sangat baik sehingga memperpanjang masa pakai peralatan.
- Pelumas hidrolik food grade pertama yang memiliki sertifikasi halal.
- Tidak mudah menyala, terbakar dan tidak memperbesar nyala api dari sumbernya.

PENGUNAAN

PERTAMINA FG-HO 46 direkomendasikan untuk peralatan hidrolik dalam industri makanan, minuman atau produk terkait dan industri farmasi yang mensyaratkan *incidental food contact oil* (H1) dan/atau sesuai dengan peraturan US FDA. Meskipun pelumas ini kompatibel dengan berbagai macam jenis elastomer dan pipa, namun tetap disarankan untuk memastikan bahwa buku panduan peralatan mengizinkan penggunaan pelumas berbasis polyglycol.