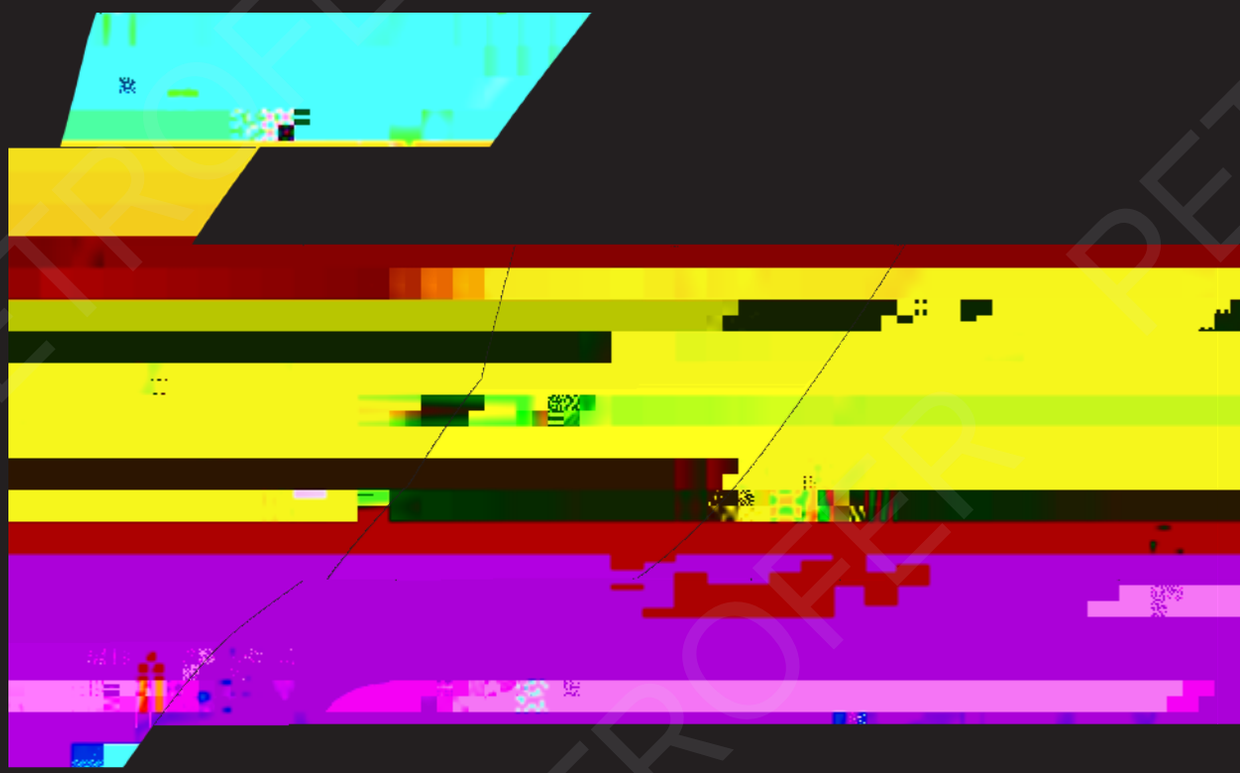


HFA HYDRAULIC FLUID HFA

й ж й
ж й HFA-E HFA-S ж

In order to meet the various demands on hydraulic fluids, PETROFER has developed superior water-hydraulic solutions. Our modern products meet challenging technical and ecological requirements and are recognized by renowned original equipment manufacturers. In addition, we offer mineral oil and ester-based HFA-E fluids as well as HFA-S fluids.

HFA-S ъ ă ╠ ʌ HFA-S Fully Synthetic Concentrates for Hydraulics

PRODUCT MODEL	APPLICATION RANGE	PRODUCT CERTIFICATION	CONCENTRATION
ULTRA-PRESS 5	ă ъ ă ʒ Synthetic hydraulic fluids,especially for hydroforming	7th Lux ⁞ RAG h ڑ ڴ : ۓ ɔ 7th Lux, Interstitial corrosion test report according to RAG specification	2–5%
ULTRA-PRESS 20	ɔ ă Synthetic hydraulic fluids for mining and industry (steel mills, hydraulic presses)		2–5%

HFA-E ╠ ʌ HFA-E Emulsion Concentrate for Hydraulics

PRODUCT MODEL	APPLICATION RANGE	PRODUCT CERTIFICATION	CONCENTRATION
ULTRA-SAFE 10 MPL	ɔ ⊦ g Mineral oil-based hydraulic fluids for mining and industrial applications	ɲ ˝ ʮ Ä GIG , ӡ ʌ Ā ǐ ƒ ‰ ´ ɲ - (GOST)	2–5%
ULTRA-SAFE 10 E	ɔ g ъ ѽ ȃ ɬ ⊦ ∪ ɹ ό Ester-based hydraulic fluids for mining and industry with excellent biodegradability	ʮ ı ɔ 7th Lux. report, (¦ ƒ ¹ ʒ) MARCO,Joy approval, ɲ Ч Ā ʒ FAZOS , ¦ ƒ ɛ ʒ Tiefen-bach, ӡ ʌ Ā ǐ ƒ ‰ ´ ɲ - GOST	2–5%
ULTRA-SAFE 10 EF	ɕ ɔ ɳ g Formaldehyde-free ester-based hydraulic fluids for steel mills, forging presses and mining		2–5%
ULTRA-SAFE 15 SI	g ۓ ό ɔ ъ ѽ ȃ ɬ ⊦ ∪ ɹ ό ɬ RAG ‰ ´ ʌ ڴ : ۓ Ester-based high-performance hydraulic fluids for mining and industry with excellent biodegradability and compliance with RAG standard crevice corrosion test	ʮ ı ɔ 7th Lux. report, ≠ ế ʒ Caterpillar, (¦ ƒ ¹ ʒ)MARCO, ¦ ƒ ɛ ʒ Tiefenbach, ӡ ʌ Ā ǐ ƒ ‰ ´ ɲ - GOST	2–5%

Antifreeze and Anti-corrosion agent

ULTRA-FREEZE AF 45	ي Ƒ ḅ ڈک › ȁ ڈک ا ♬ ʜ æḅ ắ ا ɾ	˝ ế ϧ Caterpillar,DMT, ȝ ȷ Ā ỉ ڑ › ȁ ڈک ا

HFD TYPE HYDRAULIC FLUID HFD

ENVOLUBRIC й ж й
ж й ж

The ENVOLUBRIC product series are synthetic, anhydrous hydraulic fluid with hydraulic properties similar to general hydraulic fluids. Due to its composition, the product exhibits excellent ageing and hydrolytic stability as well as excellent corrosion protection. In addition, it is advantageously characterized by a high flash point and high auto-ignition temperature.

HFD R HFD R g ;HFD U g ă
HFD R based on phosphate ester;HFD U on synthetic ester

PRODUCT MODEL	APPLICATION RANGE	VISCOSITY AT 40 ı [mm²/s] 40 ı
ULTRA-SAFE 1120 (HFD-R)	ÿ н = Ң ъ ч л Fluid coupling Steam and gas turbine control systems	ISO 46
ENVOLUBRIC HE 46 (HFD-U)	ɒ - Foundry Steel industry Mobile hydraulics Factory Mutual Certification	ISO 46
ENVOLUBRIC HE 68 (HFD-U)	ɒ - Foundry Steel industry Mobile hydraulics Factory Mutual Certification	ISO 68

HEPG g ĭ β HEPG Products based on polyethylene glycol

PRODUCT MODEL	APPLICATION RANGE	VISCOSITY AT 40 ı [mm²/s] 40 ı
ENVOLUBRIC PG 46 NWL	Foundry Steel industry Mobile hydraulics	ISO 46
ENVOLUBRIC PG 68 NWL	Foundry Steel industry Mobile hydraulics	ISO 68

QUENCHANTS

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