



A brand of **TOTAL**

ELFOLNA DS

22-32-46-68-100



High performance anti-wear hydraulic oils for civil works and construction machineries

APPLICATIONS

- Hydraulic circuits**
 - All hydraulic systems operating under conditions of :
 - high temperature
 - high pressure
- Jacks**
- Moving Parts**
 - Moving parts in very severe conditions:
 - journals at high temperature
 - precision machinery
 - handling equipment in public works, construction, quarries, handling.....
 - All machineries not requiring an "extreme-pressure" oil

Refer to the maintenance book of your vehicle to know the recommendation of the manufacturer

PERFORMANCES

- Complies with the following international specifications :**
 - AFNOR NF E 48-603 HM
 - ISO 6743/4 HM
 - DIN 51524 P2 HLP
 - CINCINNATI MILACRON P68, P69, P70
 - VICKERS M-2950S, -I-286
 - DENISON HF0, HF1, HF2 (T6H20C)

CUSTOMER BENEFITS

- Long equipment life time**
 - High protection against wear insuring maximum equipment life.
 - Superior thermal stability avoiding formation of sludge even at high temperature.
 - Very good oxidation stability ensuring a long service life of the fluid.
 - Remarkable filterability even in the presence of water.
- High operating reliability**
 - Excellent hydrolytic stability avoiding filter blocking.
 - Excellent protection against rust and corrosion.
 - Good anti-foam and air release properties by using silicon free components.
 - Good demulsibility ensuring rapid water separation
 - Reduced maintenance and operating costs.

CHARACTERISTICS

Test Descriptions	Method	Units	22	32	46	68	100
Density at 15°C	ASTM D4052	Kg/m ³	851	858	866	878	881
Viscosity at 40°C	ASTM D445	mm ² /s	22	32	46	68	100
Viscosity at 100°C	ASTM D445	mm ² /s	4.5	5.5	6.9	8.9	11.3
Viscosity index	ASTM D2270	-	109	110	106	103	97
Pour point	ASTM D97	°C	-27	-24	-27	-21	-18
Flash point	ASTM D92	°C	230	219	227	232	254

The typical characteristics mentioned represent mean values