



A brand of **TOTAL**

ELFOLNA DS

32-46-68



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

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 machinery 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	32	46	68
Density at 15°C	ASTM D4052	Kg/m3	858	866	878
Viscosity at 40°C	ASTM D445	mm ² /s	31.3	45.5	69.1
Viscosity at 100°C	ASTM D445	mm ² /s	5.5	6.9	8.9
Viscosity index	ASTM D2270	-	112	106	103
Pour point	ASTM D97	°C	-24	-36	-27
Flash point	ASTM D92	°C	219	227	232

The typical characteristics mentioned represent mean values

