



#### Product Information:

STENDEC CRYSTAL OILS

High Viscosity Index Hydraulic Oils

#### Description

STENDEC Crystal Oil grades are a range of high viscosity index hydraulic oils, formulated from high quality minerals oils and the latest anti-wear technology. These grades utilise a shear stable polymer that ensures that the oils do not thin down during their working life. They are ideal for hydraulic systems subjected to the very extremes of operating conditions and temperatures, from frozen food stores (-20o C) to industrial hydraulic systems at elevated temperatures and off highway equipment.

They are rust, corrosion and oxidation inhibited and will provide protection even in the presence of seawater.

Excellent anti-wear and EP properties provide protection against wear in the most demanding of systems.

Additionally, they are treated with an anti-foam additive to control foam and facilitate rapid air release, ensuring correct hydraulic function and meet the stringent filterability requirements of modern machines and robotics.

#### Main Features

- Outstanding low temperature performance

- Multigrade properties, lubrication film maintained at high temperatures

- Excellent Filterability

- Latest anti-wear and EP technology

- Good thermal stability

#### Applications

Recommended for both Industrial and off highway hydraulic systems, where extreme operating conditions are encountered. Can also be used in hydrostatic drives, power steering systems, brake systems and other applications

where products of this type and specification required.  
STENDEC Crystal Oil 10.0wt is particularly recommended for contractor's plant and machinery.

Performance Levels

DIN 51524-3 (HVLP) Poclairn (10.0wt)

Eaton I-286-S3, M-2950-S AFNOR E48-603 (HV:HM)

Parker HF-0 dry and wet T6C-020 ASLE 64.1 to 64.4, 70.1 to 70.3

Parker HF-1, HF-2 JCMAS PO41 HK

MAG P-68, P-69, P-70 (HV32, HV68, HV46)

Physical Characteristics

ISO VG Grade HV10 HV22 HV32 HV46 HV68 HV100

Appearance Straw Straw Straw Blue Blue Straw

Relative Density @ 15o C 0.850 0.855 0.860 0.864 0.870 0.880

Kinematic Viscosity @ 40o C (cSt) 10.21 22.68 34.11 48.84 65.90 95.61

Kinematic Viscosity @ 100o C (cSt) 3.64 5.56 6.95 8.96 11.23 14.14

Viscosity Index >200 >190 >160 >160 >160 >150

Closed Flash Point (o C) 125 160 195 200 205 205

Pour Point (o C) -36 -54 -50 -50 -45 -35

Vickers Pump Wear, wt loss mgs. -- <100 <50 <50 <50 <50

FZG Gear Test, pass load -- 10 12 12 12 12

Rust Test (D665) Pass Pass Pass Pass Pass Pass

Figures based on average production values.