



GS Hydro XW

Antiwear Hydraulic Fluid

ISO VG 32, 46, 68, 100, 150, 220, 320

DESCRIPTION

Premium-quality antiwear hydraulic fluid designed for use in mobile and stationary high pressure hydraulic systems. Contains a stabilized zinc additive system which provides outstanding antiwear characteristics, it also provides good thermal and oxidation stability.

APPLICATIONS

- Industrial hydraulic equipment operated in plants and factory
- Industrial Hydraulic systems with vane, gear or piston pumps
- Enclosed gears operating under moderate load conditions
- Industrial circulating systems where a rust and oxidation inhibitor or antiwear oil is required

PERFORMANCE STANDARDS

GS Hydro XW meets performance standards as below.

- Denison Hydraulics HF-0(ISO VG 32, 46, 68)
- Vickers I-286-S [industrial applications], M-2950-S [mobile applications] (ISO VG 32, 46, 68)
- Cincinnati Milacron P-68 (ISO VG 32), P-69 (ISO VG 68), P-70 (ISO VG 46)
- Bosch Rexroth RE 90 220 and RE 07 075
- ISO Standard 6743 Part 4, Type HM
- DIN 51524 Part 2, HLP
- GB 11118.1-2011, L-HM
- US Steel 126 and 127

CUSTOMER BENEFITS

Longer equipment life

Special anti-wear additive package reduces wear by protecting surfaces when applied load causes breakdown of the lubricating film.

Reduced downtime

Effective rust and oxidation inhibitor system prevents

- the production of abrasive particles from rust & deposits
- varnishes and sludges from oil breakdown which can damage equipment surfaces & seals
- filters being blocked prematurely

Trouble-free operation

Good hydrolytic stability and water separation characteristics provide excellent filterability in the presence of water contamination. Good anti-foam and air release properties ensure smooth operation and system efficiency.

Extended oil service life

High oxidation stability resists oil thickening and deposit formation in service, eliminating the need for unscheduled change of hydraulic fluid.

KEY PROPERTIES

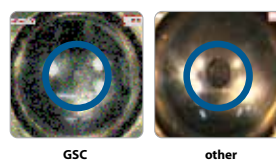
ISO VG	32	46	68	100	150	220	320
Density, kg/L @15°C	0.852	0.857	0.863	0.868	0.875	0.879	0.884
Kinematic Viscosity,mm ² /s@40°C	32.3	46.3	67.8	100.2	149.2	213.0	326.9
Kinematic Viscosity,mm ² /s@100°C	5.8	7.2	9.3	11.9	15.5	20.1	26.1
Viscosity Index	120	117	113	109	106	110	105
Pour Point °C	-36	-33	-30	-27	-24	-21	-18
Flash Point °C	221	229	235	243	245	247	249
Rust Preventive, Sea Water (D665)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Package (Liters)	18,20,200	18,20,200	18,20,200	20,200	200	200	200

UNIQUE SELLING POINT

- The special anti-wear additive package reduces wear by protecting surface when load breakdown of the lubricant film.
- Outstanding oxidation stability compared with other anti-wear hydraulic oil ensure less in-service thickening and longer fluid life.

Long equipment life

4-Ball anti-wear test result



Longer service life

Oxidation Stability Test Result(Time to TAN 2.0 @ 95°C)

