

Product Data Sheet

PT Maxnitron Hydraulic AW

Premium Anti-Wear Hydraulic Oil

PT Maxnitron Hydraulic AW Formulated with premium base oil technology to help extend hydraulic equipment life, minimize downtime and optimize performance. Excellent protection against wear, corrosion and oxidation.

Customer Benefits

☐ **Long Equipment Life**

Special anti-wear additive package minimizes wear by protecting surfaces when load causes breakdown of the lubricant film.

☐ **Minimized Downtime**

Effective rust and oxidation inhibitor system helps prevent the production of abrasive particles from rust formation, and deposits, varnishes and sludge from oil breakdown, which can damage equipment surfaces and seals, and block filters prematurely.

☐ **Smooth Operation**

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

☐ **Optimal Oil Service Life**

High oxidation stability resists oil thickening and deposit formation in service, minimizing the possibility of an unscheduled change of hydraulic fluid.

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Performance Standards

- ☐ DIN 51524 PART 2 (HLP)
- ☐ Denison HF-0, HF-1
- ☐ Vickers M-2950-S, I-286-S
- ☐ US Steel 127, 136
- ☐ Cincinnati Milacron P-68, P-69, P-70
- ☐ AFNOR NF E 48-603

Applications

- ☐ Vane, piston-, or gear-type pumps, and lightly loaded reciprocating compressors
- ☐ Hydraulic equipment reduction gears where EP is not required
- ☐ Plain bearings
- ☐ Circulating oil systems

Typical Characteristics

ISO Grade	ISO 32	ISO 46	ISO 68	ISO 100
Appearance	Bright/Clear	Bright/Clear	Bright/Clear	Bright/Clear
Viscosity @ 40 C (cSt.)	33.2	46.4	67.7	100.7
Viscosity @ 100 C (cSt.)	5.7	7.0	8.8	11.3
Viscosity Index	112	108	102	98
Pour Point (°C)	-21	-12	-9	-6
Foam Characteristic-Sequence I (mL/mL)	Nil/0	Nil/0	Nil/0	Nil/0
Foam Characteristic-Sequence II (mL/mL)	10/0	10/0	Nil/0	Nil/0
Foam Characteristic-Sequence III (mL/mL)	Nil/0	Nil/0	Nil/0	Nil/0
Flash Point (°C)	226	232	248	260
Copper Corrosion	1b	1b	1b	1b
FZG : Load Stage	11 th Pass	11 th Pass	11 th Pass	12 th Pass

*As above results in the table, only used for standard specification in current manufacturing process which can be different for each manufacturing. However product performance still be firmly and qualified as PT Maxnitron's premium product requirement.

Remark:

For using our lubricant, **PT Maxnitron Hydraulic Oil AW** Please follow the instruction or manual for each machinery brand. Also strictly operate lubricant with viscosity grade as manual specification required.