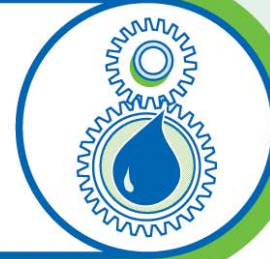


# NEUTRONLUB

THE BEST HI-TECH FLUID & COMPOUNDS - USA



## *NEUTRON 960 SHD* **Synthetic HD Industrial Gear Oil**

**NEUTRON 960 SHD** is made from shear stable, high quality synthetic base oils and are fortified with additives that deliver high performance in industrial gear applications. These oils are designed to reduce maintenance costs by extending equipment life, extending drain intervals, and protecting against wear, pitting and rust.

**NEUTRON 960 SHD** is compatible with mineral gear oils, synthetic gear oils\*, and seals making them easy to use. They preserve new seals, prevent leaks, and help rejuvenate old, brittle seals.

**NEUTRON 960 SHD** synthetic base stocks are inherently resistant to oxidation, helping provide long life. The naturally high viscosity indices, low pour points, and lack of paraffins (wax) make these lubricants ideal for use in wide operating temperature ranges. At low operating temperatures equipment starts easier, is not starved of lubrication from channeling and product solidification, and the need for sump heaters is reduced. At higher operating temperatures, **NEUTRON 960 SHD** base oils resist the degradative effects of oxidation that cause poor lubricant performance, and they maintain an optimal lubricating film between parts.

The base oils utilized are also hydrolytically stable and they readily separate from water. This prevents unwanted oil/water emulsions that have poor lubricating properties and it eases water removal from the sump.

**NEUTRON 960 SHD** is fully formulated with sulphur/phosphorous extreme pressure additives, antioxidants, rust inhibitors, and anti-foam agents. The SG Oil's thermally stable, extreme-pressure additive system forms a hard, iron-sulfide coating on metal components. This iron-sulfide coating prevents metal to metal contact under boundary lubrication conditions, reduces friction and protects components against shock loading and wear. The anti-oxidants increase the oxidation resistance of the synthetic base oils for long, clean lubricant performance. These oils protect against rust from water or process contaminants and prevent foaming, ensuring proper lubrication.

limited to, enclosed industrial spur, bevel, herringbone, helical and worm gears\*\*, chain drives, sprockets and most metal-on-metal systems requiring extreme pressure additives. These lubricants are excellent for use in severe operating conditions and their synthetic properties make them good all-season lubricants.

**NEUTRON 960 SHD** meet the AGMA ratings for synthetic gear oils and EP gear oils and are recommended for use in applications specifying these standards. Although compatible with mineral oil based lubricants, for optimum performance it is recommended that the system be thoroughly drained and, if warranted, cleaned.

### NEUTRON FLUID & COMPOUNDS DIVISION

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The ability of **NEUTRON 960 SHD** to extend drain intervals is subject to operating conditions and maintenance practices. Monitoring by oil analysis is recommended.

## TECHNICAL INFORMATION

ISO VG	68	150	220	320	460	680	1000
Gravity @ 15.4°C	0.882	0.888	0.895	0.898	0.903	0.908	0.969
Pour Point °C	-48.5	-40	-40	-34.5	-28.7	-28.7	-26.5
Flash point °C	218.7	229.6	229.6	229.6	229.6	229.6	229.6
Viscosity cSt @ 40°C	66.2	148	219	310	458	665	982
Viscosity cSt @ 100°C	12.2	19.5	26.9	35.5	46.8	66.3	81.8
Viscosity index, Min	147	148	148	158	166	168	172
Cooper Corrosion	1b	1b	1b	1b	1b	1b	1b
Rust Test	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG Spur gear Test	11	12+	12+	12+	12+	12+	12+
Color, ASTM, Max	1.0	1.0	1.0	1.0	1.0	1.0	3.0

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