

# NEXUS ENERGY TECHES

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## Lubricants & Industrial Fluids — Product Catalog

- Full line for power, industrial, and automotive applications
- Turbines, hydraulic, gear, compressor, and specialty oils
- Lithium-complex greases (NLGI 1/2), food-grade options
- OEM-aligned performance; ISO/ASTM/DIN-compliant grades
- Private label & custom blending available

## About Nexus Energy Tech Lubricants

Nexus Energy Teches with its partners, supplies and provides a comprehensive range of industrial lubricants and greases engineered for reliability in harsh operating conditions. Our portfolio covers power generation (steam/gas turbines), upstream oil & gas, mining, manufacturing, and fleet applications. Products are formulated to meet international benchmarks such as ISO viscosity grades (ISO VG), DIN/ASTM test methods, and relevant OEM service categories.

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### Turbine Oils (R&O)

For steam/gas turbines and turbo-compressors requiring rapid air release, high oxidation stability, and rust inhibition.

Grade	ISO VG	VI	Pour °C	Flash °C	Air Release	Demulsibility
Turbine R&O 32	32	≥95	–12	≥200	Excellent	Excellent
Turbine R&O 46	46	≥95	–12	≥210	Excellent	Excellent
Turbine R&O 68	68	≥95	–9	≥220	Excellent	Excellent

Note: Meets typical requirements for L-TSA type turbine oils.

## Hydraulic Oils (Anti-Wear)

ISO HM/HL with superior wear protection and oxidation stability.

Grade	ISO VG	VI	Pour °C	Flash °C	FZG (A/8.3/90)	Additive
Nexus Hydra AW 32	32	≥100	-30	≥200	≥40	Zinc AW
Nexus Hydra AW 46	46	≥100	-27	≥210	≥40	Zinc AW
Nexus Hydra AW 68	68	≥100	-24	≥220	≥35	Zinc AW
Nexus Hydra AW 46 Ashless	46	≥100	-36	≥210	≥40	Ashless AW

Note: Suitable for vane, gear, and piston pumps. Ashless variant recommended where zinc-free is required.

## Industrial Gear Oils (EP)

Extreme-pressure gear oils for enclosed gearboxes under moderate to severe duty.

Grade	ISO VG	VI	Pour °C	Flash °C	FZG Fail Stage	Service Class
Gear EP 150	150	≥95	-15	≥220	≥12	GL-4/ISO CKC
Gear EP 220	220	≥95	-12	≥230	≥12	GL-4/GL-5*
Gear EP 320	320	≥95	-9	≥230	≥12	GL-5

Note: \*Check yellow-metal compatibility before using GL-5-level EP chemistry.

## Air Compressor Oils

For rotary screw, vane, and reciprocating compressors, low varnish tendency and extended drains.

Grade	ISO VG	VI	Pour °C	Flash °C	Base Oil	Typical Hours
CompSyn PAO 32	32	≥130	-54	≥230	PAO/Ester	8,000+
CompSyn PAO 46	46	≥130	-48	≥240	PAO/Ester	8,000+
Comp R&O 68	68	≥100	-24	≥220	Mineral R&O	2,000–4,000

Note: Intervals depend on operating temperature and contamination control.

## Greases

High-performance greases for bearings, chassis, and electric motors.

Grade	NLGI	Thickener	Temp °C	Additives	Applications
Grease LC 2	NLGI 2	Lithium Complex	-20 to 160	EP/AW + Rust	General purpose bearings
Grease LC 2 HT	NLGI 2	Lithium Complex	-10 to 200	EP/AW + Moly	High-temp, shock loads
Grease FG 2	NLGI 2	Aluminum Complex (H1)	-20 to 180	Food-grade	Incidental food contact

Note: Worked penetration per ASTM D217; drop point per ASTM D2265.

## Automotive Engine Oils

Passenger car and heavy-duty diesel engine oils meeting modern API service categories.

Product	Viscosity	Spec	Pour °C	Flash °C	Notes
MaxGas 5W-30	5W-30	API SP/ILSAC GF-6A	-42	≥220	LSPI-resistant
MaxGas 0W-20	0W-20	API SP/ILSAC GF-6A	-54	≥220	Fuel-efficient
MaxDiesel 15W-40	15W-40	API CK-4	-33	≥230	Shear stable

Note: Confirm OEM approvals before warranty-critical use.

## Services & Packaging

- Packaging: 1L, 4L, 5L, 20L pails, 200L drums, 1000L IBCs; bulk deliveries.
- Compliance: ISO 9001/14001 processes; SDS available upon request.