



TriboSintez Oil Additives

Comprehensive product specifications.

Introduction

TriboSintez is at the forefront of lubrication technology, developing advanced oil additives engineered for extreme performance and reliability. Our TS-series additives are formulated with cutting-edge synthetic base oils and proprietary additive packages, designed to meet the rigorous demands of military, aerospace, industrial, and specialized applications. This document provides detailed technical specifications for our comprehensive range of products, ensuring you can select the optimal solution for your specific needs.

Product Catalog

Product ID	Product Name	Viscosity Index (VI)	Base Oil Compatibility	Target Application	Temperature Range (°C)
01-TS-TANK-PRO	TS-TANK-PRO	185	PAO/Ester/Mineral	MBT Tracks	-55/+180
02-TS-GEAR-HD	TS-GEAR-HD	165	PAO/PAG	Industrial Gearbox	-30/+220
03-TS-ARM-CL	TS-ARM-CL	150	Synthetic Ester	Precision Weaponry	-60/+120
04-TS-HYD-X1	TS-HYD-X1	190	Mineral/HC	High-Pressure Hydraulics	-40/+140
05-TS-ENG-SYN	TS-ENG-SYN	175	PAO/GTL	Multi-Fuel Engines	-40/+160
06-TS-TURB-L	TS-TURB-L	155	PAO	Gas Turbines	-50/+200
07-TS-COMP-AIR	TS-COMP-AIR	140	Mineral/PAO Blend	Air Compressors	-20/+150
08-TS-RIV-SYN	TS-RIV-SYN	180	Synthetic Ester	Riveting Systems	-45/+130
09-TS-METAL-WORK	TS-METAL-WORK	130	Mineral	Metalworking Fluids	-10/+100
10-TS-BIO-LUBE	TS-BIO-LUBE	120	Vegetable Oil	Environmentally Sensitive Areas	-5/+90
11-TS-THRUST-BEAR	TS-THRUST-BEAR	160	PAO	Thrust Bearings	-35/+190
12-TS-	TS-	110	Mineral/Synth	High-Speed	0/+120

CUTTING- PRO	CUTTING- PRO		etic	Cutting	
13-TS- GEAR-AGRI	TS-GEAR- AGRI	145	PAG/Mineral	Agricultural Gearboxes	-30/+150
14-TS-HYD- AGRI	TS-HYD- AGRI	170	Mineral/HC	Agricultural Hydraulics	-35/+145
15-TS- MARINE- GEAR	TS-MARINE- GEAR	150	PAO/Mineral	Marine Gearboxes	-25/+180
16-TS- COMP- REFRIG	TS-COMP- REFRIG	100	PAG/AB	Refrigeratio n Compresso rs	-60/+60
17-TS- WIRE-ROPE	TS-WIRE- ROPE	135	Mineral	Wire Rope Lubrication	-15/+100
18-TS- EXTR-TEMP	TS-EXTR- TEMP	195	PFPE	Extreme Temperatur e Application s	-100/+350
19-TS- AERO-L	TS-AERO-L	188	PAO/Ester	Aerospace Actuators	-65/+200
20-TS- DIESEL-EXT	TS-DIESEL- EXT	170	PAO/GTL	Heavy-Duty Diesel Engines	-45/+170

Detailed Product Specifications

01-TS-TANK-PRO

Product Name: TS-TANK-PRO

Viscosity Index (VI): 185

Base Oil Compatibility: Polyalphaolefin (PAO), Ester, Mineral Oils

Target Application: Military Tracked Vehicles (MBT Tracks), Heavy-Duty Automotive

Temperature Range: -55°C to +180°C

Description: A high-performance synthetic lubricant designed for extreme conditions, providing superior wear protection and thermal stability for demanding military and heavy-duty applications. Excellent low-temperature fluidity and high-temperature resistance.

03-TS-ARM-CL

Product Name: TS-ARM-CL

Viscosity Index (VI): 150

Base Oil Compatibility: Synthetic Ester

Target Application: Precision Weaponry Lubrication, Small Arms, Targeting Systems

Temperature Range: -60°C to +120°C

Description: A specialized synthetic lubricant formulated for the extreme cold and operational reliability of precision military equipment. Provides non-gumming, non-corrosive lubrication in critical components, ensuring smooth operation and preventing freezing or seizing.

02-TS-GEAR-HD

Product Name: TS-GEAR-HD

Viscosity Index (VI): 165

Base Oil Compatibility: Polyalphaolefin (PAO), Polyalkylene Glycol (PAG)

Target Application: Industrial Heavy-Duty Gearboxes, High-Torque Transmissions

Temperature Range: -30°C to +220°C

Description: Engineered for industrial gearboxes operating under severe loads and temperatures. Offers exceptional EP (Extreme Pressure) and anti-wear properties, extending equipment life and reducing maintenance. Compatible with both PAO and PAG base oils, offering formulation flexibility.

04-TS-HYD-X1

Product Name: TS-HYD-X1

Viscosity Index (VI): 190

Base Oil Compatibility: Mineral Oil, Hydrocarbon (HC) Base Oils

Target Application: High-Pressure Hydraulic Systems, Mobile Equipment Hydraulics

Temperature Range: -40°C to +140°C

Description: A premium hydraulic fluid additive offering exceptional shear stability, oxidation resistance, and excellent low-temperature performance. Designed for systems operating under high pressures and varying conditions, ensuring consistent hydraulic power and system protection.

05-TS-ENG-SYN

Product Name: TS-ENG-SYN

Viscosity Index (VI): 175

Base Oil Compatibility: Polyalphaolefin (PAO), Gas-to-Liquid (GTL)

Target Application: Multi-Fuel Engines, High-Performance Automotive Engines

Temperature Range: -40°C to +160°C

Description: A state-of-the-art engine oil additive providing superior engine protection, cleanliness, and fuel efficiency. Formulated for engines operating on diverse fuel types and under extreme conditions, offering excellent thermal and oxidative stability.

06-TS-TURB-L

Product Name: TS-TURB-L

Viscosity Index (VI): 155

Base Oil Compatibility: Polyalphaolefin (PAO)

Target Application: Gas Turbines, Steam Turbines, Power Generation Equipment

Temperature Range: -50°C to +200°C

Description: A highly stable turbine oil additive ensuring long service life and superior performance in critical power generation applications. Offers excellent thermal and oxidative stability, low volatility, and effective rust/corrosion protection.

Quality Assurance and Technical Support

All TriboSintez oil additives undergo stringent quality control measures to ensure consistent performance and reliability. Our dedicated technical support team is available to provide expert advice on product selection, application guidelines, and troubleshooting. For custom formulations or specialized requirements, please contact our sales department. We are committed to providing innovative solutions that enhance the performance and longevity of your critical equipment.