



Allied MTX Diesel Engine Oils

Specially formulated to meet the increasingly demanding and complex requirements of the newest, most sophisticated technology, especially in harsher, off-highway applications.

Allied MTX Engine Oils utilize high viscosity index 100% virgin North American base stocks with superior thermal and oxidative stability and excellent high and low temperature properties.

They also contain the most technologically advanced, rigorously tested and field proven detergent inhibitor improver additive system, to provide superior wear protection, engine cleanliness and rust and corrosion prevention.

All Allied products are formulated to meet, or exceed, all relevant industry standards. The chart below highlights the key protection and performance features and benefits provided by our **Allied MTX Engine Oils**.

FEATURES

Utilizes the newest, most advanced heavy duty diesel CI-4 detergent, dispersant inhibitor additive system

BENEFITS

- Superior thermal and oxidative stability prevents deposit formation and fluid thickening
- High and low temperature properties maintains proper oil flow and viscosity for outstanding wear protection, especially under severe operating conditions
- Lower volatility reduces oil consumption, especially in extended drain service
- Excellent viscosity retention due to reduced oil thickening from soot, oxidation and thermal degradation
- High detergency and superior dispersancy keeps engine clean and soot suspended in the oil despite longer drain intervals and increased soot loading
- Enhanced anti-wear properties ensure long equipment life
- Outstanding protection against rust and corrosion



To find out more about our products and services, contact us at: (402) 344-4343 or visit www.alliedoil.com



Allied MTX Diesel Engine Oils

Allied MTX Engine Oils are recommended for on-highway as well as off-highway diesel applications and heavy duty gasoline fleets, where a specific viscosity monograde oil meeting any of the following specifications is required:

- SAE 20-CF/SG, SAE 30 CF, CF-2/SJ, SAE 40 and 50-CF, CF-2/SG,
- Caterpillar CD/TO-2
- Detroit Diesel Series 2000/4000
- Navistar
- ALLISON C-4

Typical Properties:

PROPERTY	METHOD	SAE 10W	SAE 20W	SAE 30W	SAE 40W	SAE 50W
Gravity, °API	ASTM D287	30.79	29.99	30.53	29.04	27.49
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8719	0.8762	0.8733	0.8814	0.89
Viscosity @ 40°C cSt	ASTM D445	50.72	89.54	100.3	143.1	219
Viscosity @ 100°C cSt	ASTM D445	7.85	11.62	12.24	15.46	20.1
Viscosity Index	ASTM D2270	122	120	114	111	106
Pour Point °C (°F)	ASTM D5950	-36°C (-33°F)	...	-30°C (-22°F)	-27°C (-17°F)	...
Cold Cranking Simulator at (°C), cP	ASTM D5293	6269 (-25)	...	3.8	4.5	...
Color	ASTM D 1500	1.5	2	2.5	2.5	3.5
Zinc, wt. %	ASTM D 5185	0.104	0.104	0.104	0.104	...
Phosphorus, wt. %	ASTM D 5185	0.094	0.094	0.094	0.094	...
Calcium, wt. %	ASTM D 5185	0.179	0.179	0.179	0.179	...
Sulfur, wt. %	ASTM D 4951	0.243	0.243	0.243	0.243	...
Magnesium, wt. %	ASTM D 5185	0.021	0.021	0.021	0.021	...
Sulfated Ash, wt. %	ASTM D 874	0.86	0.86	0.86	0.86	...
Nitrogen, wt. %	ASTM D 4629	0.076	0.076	0.076	0.076	...
TBN, mgKOH/g	ASTM D 2896	7.5	...	7.5	7.5	...
CLAIMS INFORMATION		SAE 10W	SAE 20W	SAE 30W	SAE 40W	SAE 50W
			API SG API CF API CF	API SG API CF-2 API CF API SG API CF-2 API CF	API SG API CF-2 API CF	API SG API CF-2

ALWAYS CONSULT OWNERS MANUAL FOR CORRECT VISCOSITY GRADE

Due to our goal of continuous improvement and commitment to keep pace with changing requirements, the information contained in this product sheet is subject to formulation changes without notification. Check with your Allied sales representative to make sure you have the most up-to-date product sheet. The version to reference is located in the right hand corner of this product sheet.

ALLIED OIL & TIRE COMPANY Branch Locations:

- OMAHA, NE • 2209 S. 24th Street • (402) 344-4343
- KANSAS CITY, MO • 5150 East Front Street • (816) 474-8040
- DES MOINES, IA • 5201 N.E. 15th Street • (515) 262-9381
- JOPLIN, MO • I-44 & Hwy 43 • (417) 623-4771
- SIOUX FALLS, SD • I-90, Exit 402 • (605) 332-3352
- WITCHITA, KS • 3619 North Poplar Street • (316) 616-6300