

TECHNICAL DATA SHEET



AM100F Red Man Gear Oil

PRODUCT DESCRIPTION

Am100F Red Man Gear Oil is a heavy-duty, premium, industrial quality gear oil manufactured using highly-refined paraffinic base oils. Am100F Red Man Gear Oil is formulated with outstanding extreme pressure (EP) characteristics and load-carrying properties intended for use in heavy-duty gear boxes. Extreme conditions, like extended running times and inclement weather conditions, are common place in today's manufacturing and oilfield industries. Am100F Red Man Gear Oil was developed to protect gears from major problems, particularly water contamination, overheating, heavy loads, and wear. Am100F Red Man Gear Oil exceeds the demands placed on gear oil used in automobiles and heavy-duty equipment.

APPLICATION

Am100F Red Man Gear Oil is recommended for a variety of gear systems found in the industrial, commercial, and automotive industries. It can be used for light or heavy-duty applications, and also on or off road conditions.

BENEFITS

- Superior water separating characteristics.
- Will not emulsify
- Coats all parts of the gear box upon contact
- Protects against corrosion
- Extends heat range minimum viscosity change
- Provides extended service
- Extreme pressure (EP) properties
- Excellent lubrication of heavily-loaded gears
- Reduces operational cost
- Increases lubricity
- Smoother, quieter running, and cooler gears
- Longer intervals between overhauls

CONTAINER SIZE

5 GAL
55 GAL
500 GAL

	INDUSTRIAL GEAR OIL				AUTOMOTIVE/MARINE GEAR OIL			
	150	220	320	460	80W90	85W140	SAE140	SAE250
ISO Grade	150	220	32	460	—	—	—	—
SAE Grade (Reference)	—	90	85W140	140	—	—	—	—
AGMA	4EP	5EP	6EP	7EP	5EP	7EP	7EP	8EP
Viscosity Index	89	90	95	94	90	94	94	98
Color	Red	Red	Red	Red	Red	Red	Red	Red
Density, lb/gal @ 77°F (25°C)	7.20	7.23	7.35	7.47	7.43	7.75	7.35	7.38
Specific Gravity @ 77°F (25°C)	0.86	0.86	0.88	0.89	—	—	—	—
Viscosity, ASTM D-445 cSt @ 40°C (104°F) cSt @ 100°C (212°F) SUS @ 40°C (104°F) SUS @ 100°C (212°F)	150 16 781 87	220 18 1100 90.1	320 24 1600 115.8	460 30 2300 142.5	220 18	460 30	460 30	1000 46
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	0.90%	0.86%	0.64%	0.60%	—	—	—	—
Flash Point, ASTM D-93	530°F (276°C)	530°F (276°C)	530°F (276°C)	530°F (276°C)	530°F (276°C)	530°F (276°C)	530°F (276°C)	530°F (276°C)
Fire Point, ASTM, D-92	>600°F (>315°C)	>600°F (>315°C)	>600°F (>315°C)	>600°F (>315°C)	>600°F (>315°C)	>600°F (>315°C)	>600°F (>315°C)	>600°F (>315°C)
Pour Point, ASTM D-97	-11°F (-27°C)	0°F (-24°C)	1°F (-18°C)	7°F (-12°C)	-9°F (-24°C)	5°F (-15°C)	5°F (-15°C)	16°F (-9°C)
Rust Preventive Test, ASTM D-3603 @ 140°F (60°C)	Pass	Pass	Pass	Pass	Fresh-Pass Salt-Pass	Fresh-Pass Salt-Pass	Fresh-Pass Salt-Pass	Fresh-Pass Salt-Pass
Foam Test	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
D1401 Demulsibility @ 180°F (82°C)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Shelf Life (unopened container)	Two Years	Two Years	Two Years	Two Years	Two Years	Two Years	Two Years	Two Years

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MADE IN THE U.S.A.