



TECHNICAL DATA BULLETIN

460 & 680 ALMASOL[®] Worm Gear Lubricant

DESCRIPTION:

Compounded gear lubricants designed to protect worm gears and bronze parts. Formulated with paraffinic base stocks and then carefully blended with ALMASOL and other fine high quality additives to give excellent lubricity and film strength along with high load carrying ability.

PHYSICAL CHARACTERISTICS—TYPICAL:

ISO Grade	460	680
AGMA Grade	7C	8C
Gravity, °API	26.5	24.4
Viscosity		
SUS @ 100°F	2495	3484
SUS @ 210°F	184.4	232.6
cSt @ 40°C	473.8	659
cSt @ 100°C	38.2	48.3
Viscosity Index	115	115
Pour Point °F (°C)	-6 (-21)	-6 (-21)
Flash Point °F (°C)	545 (285)	558 (292)
Color	Purple	Purple

TYPICAL TEST RESULTS:

Four Ball Wear, mm, ASTM D-4172		
15 kg	0.39	0.48
40 kg	0.45	0.53
Copper Corrosion		
@ 100°C, ASTM D-130	1b	1b
Rust Test, 24 hours, ASTM D-665B	Pass	Pass
Demulsibility, ASTM D-2711		
ml water; ml emulsion	70; 0.2	70; 0.2

APPLICATION:

Use in all worm gearboxes that require a compounded worm gear lubricant.

LEADERS IN LUBRICANTS

LUBRICATION ENGINEERS, Inc.

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**LE PRODUCTS MANUFACTURED UNDER AN
ISO 9001:2000 CERTIFIED QUALITY SYSTEM**

BENEFICIAL QUALITIES:

Meets AGMA 9005-094 requirements for R&O and compounded oils.

Made with highly refined paraffinic base stock instead of lower quality cylinder stock.

Contains cleanliness additives to keep the gearbox free of deposits.

Exhibits superior wear protection.

Superior oxidation resistance to commercial grade worm gear oils.

Passes demulsibility test where commercial worm gear oils fail.

Meets the criteria of USDA H2 lubricants.

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