



DURALIFE® SYNTHETIC FOOD MACHINERY GEAR LUBRICANTS

DURALIFE® SYNTHETIC FOOD MACHINERY GEAR LUBRICANTS are anti-wear, extreme pressure, non-toxic, food grade full synthetic lubricants designed specifically to provide superior lubrication and high load carrying capacity to gears and plain & rolling bearings on equipment in food, feed & pharmaceutical processing, bottling and packaging industry operating in severe loading conditions at extreme high and low temperatures. They are formulated from polyalphaolefin (PAO) synthetic base oils and additives to meet the stringent requirements of the NSF International guidelines for incidental food contact.

APPLICATIONS :


DURALIFE® SYNTHETIC FOOD MACHINERY GEAR LUBRICANTS are recommended for gear boxes, bearings, chains, conveyor belts in canneries, beverage bottling plants, breweries & wineries, drinking & potable water treatment, potato/corn chip plants, bakeries, sugar & candy manufacturers, cheese product producers, pasta manufacturers, vegetable & fruit processors, meat and poultry processing plants, seamers, egg processing plants, fish & seafood processing plant, frozen food plants, pet food & animal feed producers and other food manufacturing & processing plants. It also is recommended for pharmaceutical industry such as pharmaceutical & drug manufacturers, cosmetic manufacturers.

Meet and exceed the requirements of ANSI/AGMA 9005-D 94S/ 9005-E 02EP, ISO 21469, DIN 51517-3 CLP

BENEFITS :

- H1 food grade gear oil.
- Excellent wear, corrosion and rust protection.
- Rapid water separation. Superior gear protection against water contact.
- Excellent oxidative and thermal stability.
- Good Foam resistance properties provide longer gear life.
- Excellent lubrication under heavy loaded gears and EP property.
- Better adhesion on surface, help the gears are immediately protect when the gear box starts up.
- Longer oil-drain intervals.

TYPICAL CHARACTERISTICS :

Product Specifications	Test Method	PAOFMEP 100	PAOFMEP 150	PAOFMEP 220	PAOFMEP 320	PAOFMEP 460	PAOFMEP 680
ISO Grade		100	150	220	320	460	680
Specific Gravity @ 15.6°C (60°F)	ASTM D 1298	0.850	0.850	0.853	0.855	0.857	0.860
Color	ASTM D 1500	0.5	0.5	0.5	0.5	0.5	0.5
Viscosity	ASTM D 445						
@ 40 °C, cSt		100	150	218	320	459	698
@100 °C, cSt		13.60	18.70	25.70	34.00	45.40	62.20
Viscosity Index	ASTM D 2270	136	141	150	150	154	157
Flash Point, °C(°F)	ASTM D 92	263(505)	254(490)	260(500)	262(504)	266(510)	282(540)
Pour Point, °C(°F)	ASTM D 97	-40 (-40)	-46 (-50)	-44 (-48)	-42 (-43)	-40 (-40)	-30 (-22)
Rust Test 4hrs@60 °C, Sea H ₂ O	ASTM D 665B	pass	pass	pass	pass	pass	pass
Copper Corrosion	ASTM D 130	pass	pass	pass	pass	pass	pass
Demulsibility	ASTM D 1401	40/40/00	40/40/00	40/40/00	40/40/00	40/40/00	40/40/00
Foam Sequence I, II, III	ASTM D 892	Nil	Nil	Nil	Nil	Nil	Nil
Four Ball Wear Test 1200rpm, 1hr, 40Kgf, 25 °C, mm	ASTM D 2783	0.38	0.38	0.37	0.35	0.33	0.31
FZG Load Stage A/8.3/90	ASTM D 5182	12	12	12	12	12	12
Specification & Certificates							
	NSF International Registration #	158095	158096	158098	158099	158100	158101

	HALAL Certificate #	HPR 3377 – O/G
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The above characteristics are average values based on recent production. Minor variations which do not affect product performance are to be expected in normal manufacture.

WARNING!

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. *Don't pollute. Conserve resources. Return used oil and bottle to collection centers*

Reference MSDS Number 12137 database on our website at
www.amtecol.com

