

**Demand Trends Driving
the Regional ME
Lubricants Industry**

Foodgrade Lubricants

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Dedicated to Food Safety

- Over 150 Foodgrade lubricants, greases & cleaners
- NSF, Kosher, Halal, ISO 21469 approved



Nonfood Compounds



ME market overview & Sizes

Growth

ME market is experiencing robust growth; Saudi Arabia alone projected a growth of 9% CAGR from 2025-2030

Key Drivers & Trends

Expanding food processing

Increasing demand for processed foods

Rising awareness of contamination

Stricter regulations on food safety

White mineral oils were dominant in 2024, synthetic foodgrade lubricants are the fastest growing segment

Market Segments

Food & Beverage processing

Pharmaceuticals & Cosmetics

Packaging (paper, plastics, metal)

Foodgrade lubricants are needed throughout the whole food supply chain



Why Foodgrade Lubricants?

Warrant Food Safety



**Limitations in
performance
seen in the first
generation
Foodgrade
Lubricants**

**Historically eliminating the risk of
contamination of toxic components in
lubricants in food was the main reason**



Next Generation Foodgrade Lubricants

Not only focus on Foodgrade but on
Performance as well

Latest Generation Foodgrade Lubricants

- Focus on latest technology like Calcium Sulfonate greases
- Use of synthetic base oils like PAO, PAG, Esters rather than mineral based
- More application dedicated products (requires a more extensive product portfolio)
- No one size fits all approach



21469:2006



But Foodgrade Lubricants are more expensive?

They might be more expensive per kg/liter but the cost of ownership is lower

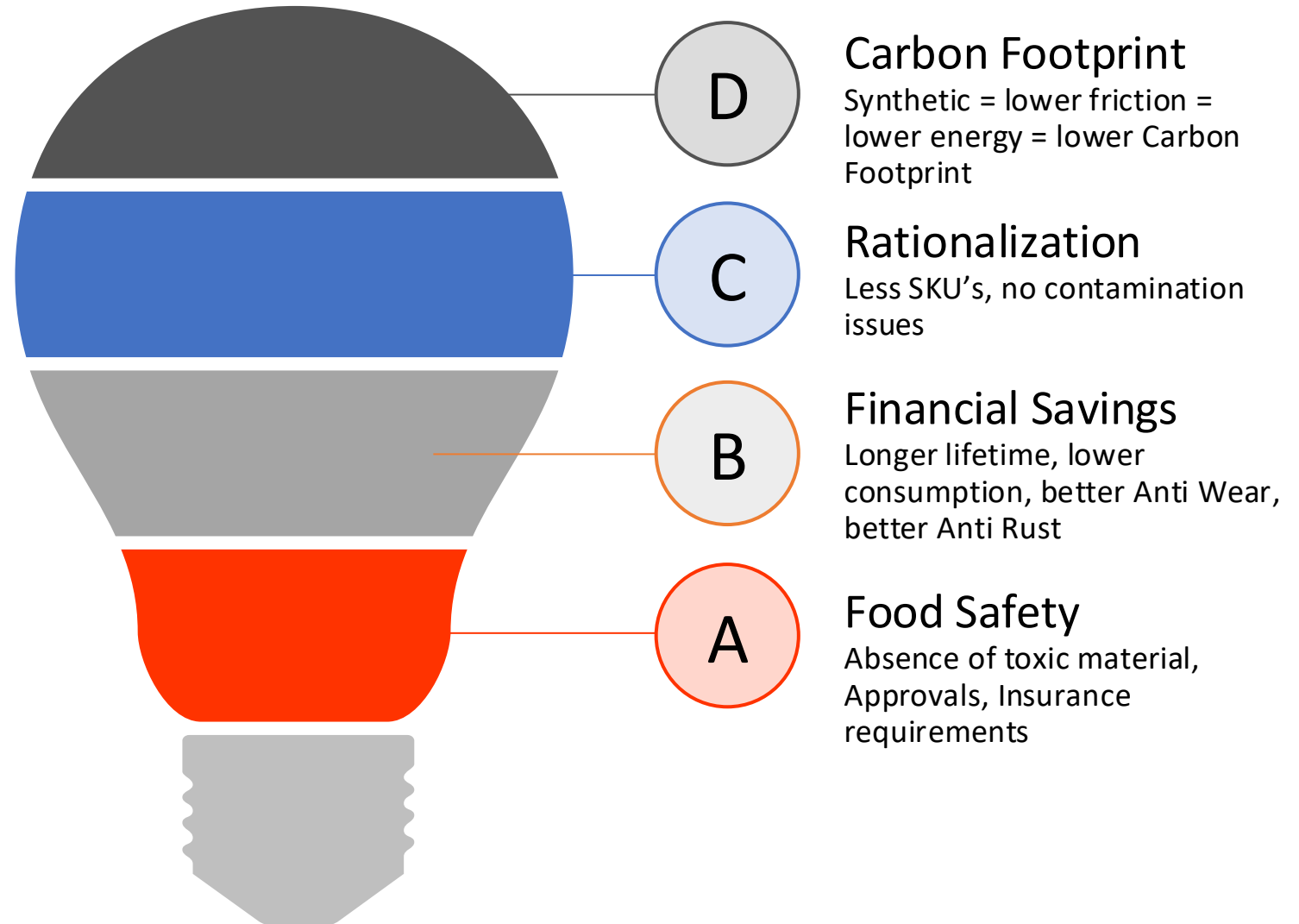


**Longer life
Lower consumption
Less waste
Less downtime
Less SKU
Lower maintenance costs
Rationalization of products**

Not only Foodgrade

4 reasons to use Foodgrade Lubricants

**The latest Generation
of Foodgrade
Lubricants
outperforms industrial
grades**



Foodgrade Gear Oils business Case

Scope:

Metal beverage can producer converted over 400 gear boxes from industrial grade (mix of mineral & Synthetic) to foodgrade gear oils

Facts Before:

- Before 12 industrial types of gear oils in use
- Change interval 1 time per year

Facts After Changeover to Foodgrade:

- Reduction to 8 Foodgrade Gear oils (reduction of 4 SKU's)
- Change interval 1 time per 2 years (substantial savings on oil, labor, waste)
- No wear elements seen in the analyses

Foodgrade Compressor Oil Business Case

Statement from
compressor OEM:

Foodgrade oils are not
lasting as long as
Industrial grades ?

Considerations:

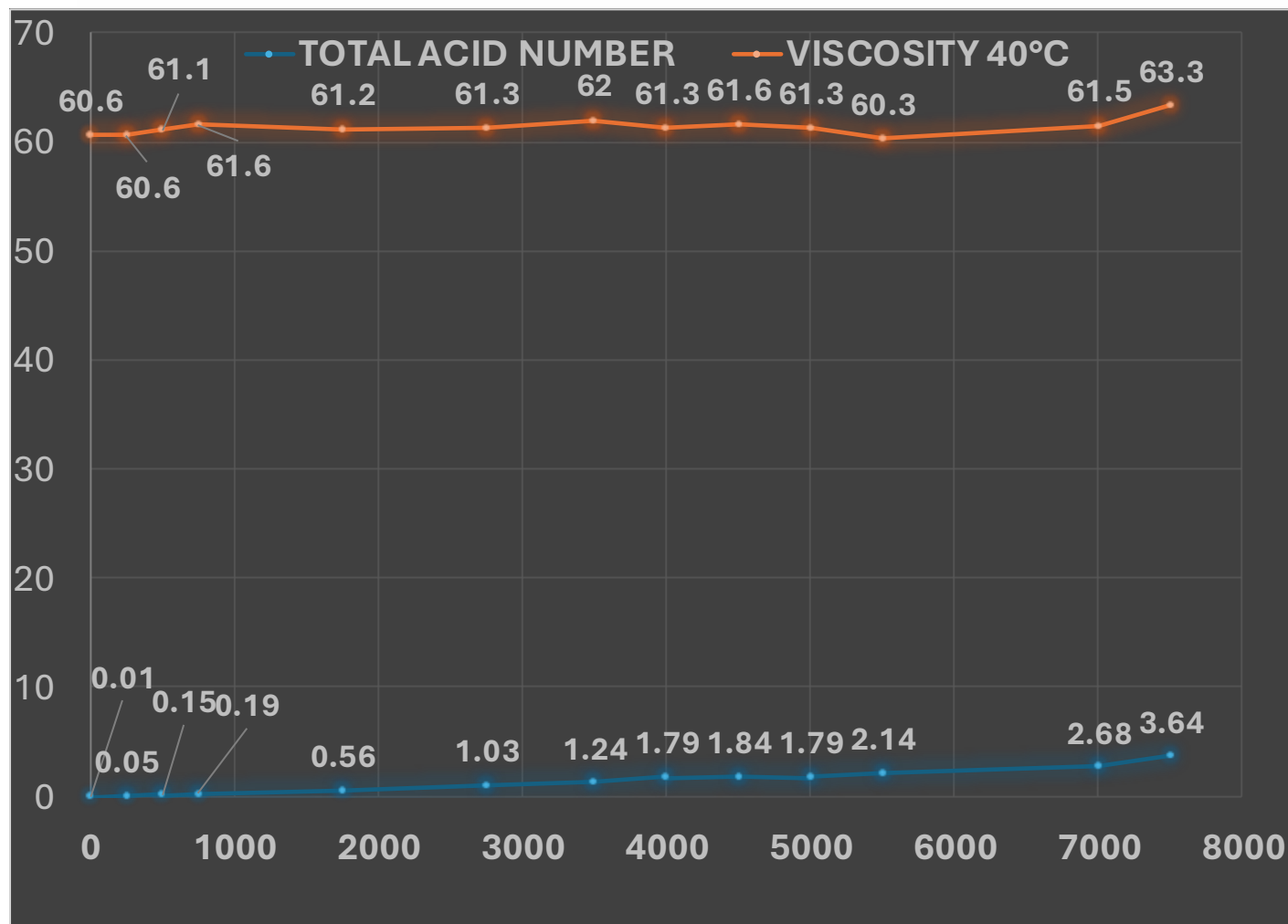
- Short Lifetime
- More expensive
- Multiple Changes
- Limited Trust by OEM

MAINTENANCE SCHEDULE						
	Hours:	150 (1st time only)	500 1000	2000 6000	4000 12000	8000 16000
	Daily		1500 2500 3000	10000 14000 18000	20000	
Coolant filter		Change		Change	Change	Change
Air filter **				Check pressure	Change	Change
Separator element ***				Check pressure	Change	Change
ULTRA COOLANT*	Check			Sample	Sample	Change
Power Drive Module filter *			Check	Change	Change	Change
Scavenge screen **				Check / clean	Check / clean	Check / clean
Hoses ***					Check / clean	Check / clean
High Air Temperature sensor			Check	Check	Check	Check
Pressure relief valve				Check	Check	Check
Cooler Core(s)			Check / clean	Check / clean	Check / clean	Check / clean
Moisture separator			Check / clean	Check / clean	Check / clean	Check / clean
Motor cowl			Check / clean	Check / clean	Check / clean	Check / clean
Vibration Analysis				Analysis	Analysis	Analysis
Coolant Analysis				Analysis	Analysis	Analysis
Food Grade Coolant *			Analysis at every 500 Change at every 1000			
Blower Motor / Fan Motor					Regrease	Regrease

OEM recommendation

Foodmax Bio Air 68 test results

- 7500 hours
- Varnish free operation
- High Flash Point 260 °C
- NSF H1, Halal, Kosher
- MOSH MOAH free
- No Top up oil
- Advanced Cooling
- Miscible with all type of compressor oils





The importance of Food Grade Lubricants

You might consider not to change all
lubricants to Foodgrade

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**The question is not IF but WHEN a
non Foodgrade product (meant to
be for noncritical applications) is
used at the wrong place**



Thank you

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our brochure*



**Taking
Foodgrade
lubricants
beyond Food
Safety alone**

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company
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