



# Bel-Ray Company, Inc.

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## BEL-RAY<sup>®</sup> NO-TOX<sup>®</sup> SEAMER OIL D

**Bel-Ray No-Tox Seamer Oil D** is a high performance lubricant with exceptional anti-wear and demulsibility properties. It is uniquely designed for components subject to moisture ingress and provides excellent water separation ability to ease filtration in circulatory systems, can seaming equipment and similar applications found in “clean” industries and specifically in beverage and food processing plants.

### *Applications*

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- ◆ Angelus can seamers
- ◆ Circulating oil systems subject to moisture ingress requiring effective filtration
- ◆ Anti-friction bearings
- ◆ Enclosed gear boxes

### *Features and Benefits*

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| ◆ NSF H1 registered                       | Use where incidental food contact may occur.   |
| ◆ Bacteriological protection              | Effectively inhibits the growth of certain bacteria, yeast and mold in the lubricant.                      |
| ◆ Outstanding anti-wear performance       | Excellent equipment protection while maintaining superior film strength in extreme application conditions. |
| ◆ Excellent rust and oxidation protection | Provides extended component service.   |
| ◆ High demusibility                       | Provides excellent water separability thereby eases filtration and provides extended drain intervals.      |

### *General Description*

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**Bel-Ray No-Tox Seamer Oil D** is formulated for exceptional anti-wear and water demulsibility performance. This performance oil lubricates components with its unique ability to lower filter pressures, especially in circulatory systems, providing extended drain intervals, helping to avoid costly component change-outs and frequent equipment overhaul.

**Bel-Ray No-Tox Seamer Oil D** is available in three (3) grades to fit most applications. It is formulated with the highest quality USP white mineral oils and food grade additives and meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved.

**Product No. 64221, 64222, 64223**

**BEL-RAY<sup>®</sup> NO-TOX<sup>®</sup> SEAMER OIL D**  
TYPICAL PROPERTIES

<u>Product No.</u>	<u>64221</u>	<u>64222</u>	<u>64223</u>
Bel-Ray Name Grade	D 100	D 150	D 220
ISO Viscosity Grade	100	150	220
SAE Gear Oil Grade	85	90	110
AGMA Grade	3	4	5
Viscosity, ASTM D445			
@ 40°C, cSt	98.1	150	220
@ 100°C, cSt	11.4	15.2	19.8
Viscosity, ASTM D2161			
@ 100°F, SUS	511	786	1160
@ 210°F, SUS	65.4	80.5	100
Viscosity Index, ASTM D2270	103	102	103
Pour Point, ASTM D97			
°C	-12	-9	-9
(°F)	(10)	(15)	(15)
Copper Strip Corrosion, ASTM D130			
3 hrs @ 100°C, rating	1a	1a	1a
Rust Test, ASTM D665, Procedure A & B	Pass	Pass	Pass
Demulsibility, ASTM D1401			
Oil/water/emulsion (time), ml/ml/ml (min)	40/40/0 (30)	40/40/0 (30)	42/38/0 (30)
Falex EP Test, ASTM D3233 Method B			
Non-seizure Load, lbf	1250	1250	1250
4-Ball Wear Test, ASTM D4172			
@ 1200 rpm, 40 kg, 1 hr, 75°C			
Scar Diameter, mm	0.38	0.38	0.38
Color	Water white	Water white	Water white