

ANDEROL PRODUCT DATA SHEET

PQ® AA SERIES (ISO 32 TO 150) FOOD GRADE LUBRICANTS & HYDRAULIC FLUIDS

GENERAL INFORMATION

The PQ AA Series of Food Grade Lubricants and Hydraulic Fluids grades (SAE) 10 through 40 (ISO grades 32 through 150) are white oil based lubricating oils that meet requirements of the former USDA H-1 system where incidental food contact can occur.

PQ AA 10-40 Food Grade Lubricants meet the requirements of FDA regulation 21 CFR 178.3570.

TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	PQ AA-10	PQ AA-20	PQ AA-30	PQ AA-40
ISO Grade	ASTM D-2422	32	46	100	150
SAE Grade	SAE J-300	10W	20	30	40
Viscosity @ 40°C, cSt	ASTM D-445	32.2	47.6	102.5	143
Viscosity @ 100°C, cSt	ASTM D-445	5.43	6.9	11.6	14.5
Viscosity @ 100°F, SUS	ASTM D-2161	166	247	534	747
Viscosity @ 210°F, SUS	ASTM D-2161	<34	45	98	127
Viscosity Index	ASTM D-2270	101	101	101	101
Pour Point, °C	ASTM D-92	-15	-17	-15	-16
Flash Point, °C, COC	ASTM D-97	210	225	240	241
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D-130	1a	1a	1a	1a
Rust Test	ASTM D-665 B	Pass	Pass	Pass	Pass
Pump Test, Vickers 104C	ASTM D-2882	Pass	Pass	Pass	Pass
Four-Ball EP Weld Point, kg	ASTM D-2782	127	127	139	136
Four-Ball Wear, 1200 rpm, 167°F, 40 Kg, 1 hr, mm	ASTM D-4172	0.52	0.56	0.45	0.49
Evaporative Loss, 100°C, 22 hrs	ASTM D-972	1.4	1.2	0.9	0.9
Specific Gravity, 15.6°C	ASTM D-1298	0.857	0.863	0.869	0.872

APPLICATIONS

- Hydraulic systems, vacuum pumps, compressors, bearings, and gears
- Slides, ways, and chains
- Wipe down oil.

®ANDEROL is a reg. trademark of ANDEROL Inc.

This information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of OUR knowledge or obtained from sources believed by ANDEROL to be accurate. ANDEROL does not assume any legal responsibility for use of reliance upon it. Only chemists or chemically qualified lab technicians should carry out tests. Before using any chemical, read its label and Material Safety Data Sheet.

For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

PQ AA SERIES (ISO 32 TO 150)

ADVANTAGES

- H-1 approval
- Excellent EP Properties
- Excellent anti-wear properties
- Rust and oxidation inhibited

APPROVALS

PQ® Food Grade Lubricants are approved, recommended, and field tested by many OEM's in the food processing, baking, bottling, canning, meat processing, and pharmaceutical industries.

NSF International under "USDA Regulations, Proprietary Substances and Nonfood Compounds" lists ANDEROL and PQ food grade lubricants. (See WWW.NSF.ORG)

ANDEROL food grade lubricants also meet the certification requirements recommended by the National Lubricating Grease Institute (NLGI) and the European Lubricating Grease Institute (ELGI).

PQ AA-10 (ISO 32) meets the pump wear requirements of the Eaton Vickers 104C.



HANDLING AND STORAGE

PQ Food Grade Lubricants generally present little hazard in normal handling if ordinary care is exercised. If spilled, cover with inert, absorbent material and remove. Flush the area with water.

Although PQ Food Grade Lubricants are not highly flammable, they will burn and should be kept away from open flames. In case of fire, use water spray, foam, carbon dioxide, or dry chemical. PQ Food Grade Lubricants should be stored preferably in protected locations to prevent contamination. Do not re-use drums; flush and send to reconditioner.

PQAA 10-40: MJR/was 03/28/05



Reinhard.Oil.dk
Helleruplund Alle 8
DK-2900 Hellerup
Tel: +45 70 26 70 07
CVR 32659470
www.reinhardoil.dk



ANDEROL
Specialty Lubricants