

PRODUCT DATA SHEET

Royal Crown Tech Plus AW Hydraulic Oils

H1 Food Grade Hydraulic Oils



PRODUCT DESCRIPTION:

Royal Crown Tech Plus AW Hydraulic Oils should be used where hydraulic fluids and other mild lubricants are called for in equipment associated with food processing. These oils provide anti-wear protection that meets all the requirements of major hydraulic pump manufacturers such as Cincinnati Milicron P-68, P-69, P-70 and Vicker's 104 vane pump wear test. USDA/NSF has approved

Royal Crown Tech Plus AW Hydraulic Oils under their H-1 specification for incidental contact with food.

KEY FEATURES:

- H1 Food Grade Hydraulic Oils
- Excellent Rust Protection
- Superior Oxidation Resistance
- Non-Foaming
- Superior Anti-Wear
- Rapid Water Separation

CUSTOMER BENEFITS:

- Better adhesion on surface
- Excellent lubrication under heavy loads
- Superior protection against water contact

APPLICATIONS:

- Recommended and designed for hydraulic pumps and hydraulic applications in the food industry

PACKAGING:

Drums and Totes

SPECIFICATIONS AND APPROVALS:

NSF H1

ISO 32 – NSF # 088522

ISO 46 – NSF # 088523

ISO 68 - NSF # 088524

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Typical Properties

Royal Crown Tech Plus AW Hydraulic Oils

Product Number	819	820	821	822	823	824	857	Test Method
ISO Grade	10	15	22	32	46	68	100	-
Viscosity@40°C, cSt	11	15	21.5	32.5	46.5	68.2	98.3	ASTM D445
Viscosity@100°C, cSt	2.7	3.4	4.2	5.58	6.76	8.85	11.18	ASTM D445
Viscosity@100°F, SUS	65	83	113	169	240	354	512	ASTM D445
Viscosity@210°F, SUS	35.4	37.7	40.4	45	48.9	56.1	64.6	ASTM D445
Viscosity Index (VI)	95	95	96	98	98	98	98	-
Specific Gravity@60°F	0.86	0.86	0.86	0.86	0.86	0.86	0.87	ASTM 4052
API	33.2	33.2	33	32.2	32	31.7	30.9	
Pour Point °F	-10	-10	0	0	0	0	5	ASTM D97
Flash Point °F	365	370	395	420	440	465	475	ASTM D92
Color	0.5	0.5	0.5	0.5	0.5	0.5	0.5	ASTM

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.