

ANDEROL PRODUCT DATA SHEET

ROYCO® 717

POWER TRANSMISSION FLUID

GENERAL INFORMATION

ROYCO 717 is a pale straw - colored hydraulic fluid blended with highly refined mineral based oils and modern additive technology to provide protection against rust, wear, demulsibility, and to afford greatly improved viscosity - temperature characteristics as well as enhanced oxidation – corrosion resistance.

TYPICAL PROPERTIES:

PROPERTIES	ROYCO 717
Kinematic Viscosity, cSt	
@ 100°C	10.1
@ 40°C	29.3
@ -20°C	312
@ -35°C	870
Viscosity Index	360
Pour Point, °C	<-55
Flash Point, °C	112
Fire Point, °C	120
Neutralization No., mq KOH/g	0.10
Water Content, %	0.05
Specific Gravity, g/cc, 15.6°C	0.879
Color, ASTM D-1500	0.75
Low Temperature Stability, -35°C/72 hrs.	Stable, no gel/separation
Rust Protection, ASTM D-665A	PASS
Corrosion and Oxidation Stability, 336 hrs. @ 93°C	
Corrosion stability: Cu Wt. loss \leq 0.2 mg/cm ²	PASS
no pitting or etching	
Oxidation stability: Viscosity change \leq 25%	PASS
Neutralization number mq/KOH	\leq 0.5
Shear Stability: 30 minutes sonic oscillation (equiv. To 5000 cycles in hydraulic apparatus) Viscosity incr. < 20%	PASS
Emulsion Stability/ Water Sludging:	PASS
Viscosity of emulsion, \geq -2% and \leq 10%	PASS

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

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APPLICATIONS

ROYCO 717 is recommended for use in applications requiring a constant source of fluid power to hydraulic components - particularly in naval ordnance equipment. ROYCO 717 affords rust, corrosion, and antiwear protection in high humidity and salt-water environs over wide latitude of ambient temperatures. Its excellent emulsion stability enables full power operation even under conditions of moderate water contamination.

ADVANTAGES

- Excellent rust and oxidation protection
- Enhanced emulsion stability when contaminated with water

LIMITATIONS

ROYCO 717 is not recommended for use in aircraft hydraulic systems or in systems operating below -35 °C.

APPROVALS

ROYCO 717 meets all requirements and is qualified to MIL-SPEC: MIL-DTL-17111C.

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