ENOC AXIS

PRODUCT DESCRIPTION

ENOC AXIS is a premium range of quality hydraulic fluids designed for service in Industrial high-pressure hydraulic systems and mobile equipment. It is produced from highly refined paraffinic base stocks and provides excellent protection against wear in a wide range of pumps and in all the active hydraulic components. Designed to provide long fluid life and trouble-free operation. Inhibited to protect the hydraulic system against corrosion and water separability characteristics.

APPLICATIONS

- A wide variety of industrial applications including hydraulic systems using vane, gear, or piston pumps, some makes of rotary compressors, turbine worm gear units and machine tool hydraulic systems.
- Mobile and construction equipment, marine deck equipment, hydrostatic transmissions, hydraulic drives and couplings, air-line lubricators, enclosed gears, etc, where an anti-wear performance is specified.

PERFORMANCE STANDARDS

AXIS meets and exceeds the following OEM and International specifications:

Bosch Rexroth	Bosch Rexroth Fluid Rating List RDE 90245 **(ISO VG 32, 46, 68)**
Parker (Denison)	F-0, HF-1 and HF-2 based on T6H20C hybrid pump testing
Eaton	E-FDGN-TB002-E
Eaton	M-2950-S (35VQ25 pump test)
ISO	20763 Conestoga vane pump test
Vickers	I-286-S3 (Industrial equipment)
DIN	51524 Part II & Part III*
Cincinnati Machine	P-68, P-69 and P-70
ISO11158	Categories HH, HL, HM, HR and HV*
ASTM	D 6158*
SAE	MS1004*
JCMAS	P041 HK Hydraulic Specification
ANSI/AGMA	9005-E02-RO
GM	LS-2
AIST	126, 127 (US Steel)

AXIS viscosity grade should be selected according to the requirements of the application as specified by the equipment manufacturer.

BENEFITS

AXIS provides:

1. Excellent oxidation stability leading to following possible Customer benefits:
    a. Capability to extend oil drain interval
    b. Reduced disposal costs
    c. Possibility to improve efficiency during the length of drain
    d. High color stability as seen in NOC test
2. Proven sludge and particulate control
    a. Improved filterability and consequently less down time
    b. Improved protection of critical components with tight tolerances such as servo valves and pumps

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3. Enhanced wear protection
    a. Maximizes equipment life
    b. Helps reduce maintenance costs
4. Excellent Hydrolytic stability
    a. Improved protection and extended life of yellow metal parts of equipment

Left is Market General ISO VG 46 Hydraulic Oil & Right is ENOC Axis 68

Technical Data**					
ISO Grades	**15**	**22**	**32**	**37**	**46**
Kinematic Viscosity					
mm^2/s @ 40°C	15	22	32	37	46
mm^2/s @100°C	4.2	4.8	5.3	6.2	6.8
Viscosity Index	95	98	98	95	95
Flash Point, °C	170	190	206	210	210
Pour Point, °C	-24	-24	-18	-18	-15
FZG Damage Load Stage	>12	>12	>12	>12	>12
Product Code	240012	240013	240001	240019	240002

Technical Data**				
ISO Grades	**68**	**100**	**150**	**220**
Kinematic Viscosity				
mm^2/s @ 40°C	68	100	150	220
mm^2/s @ 100°C	8.7	11	14.7	16.8
Viscosity Index	95	95	95	95
Flash Point, °C	236	260	260	266
Pour Point, °C	-15	-15	-15	-15
FZG Damage Load Stage	>12	>12	>12	>12
Product code	240003	240004	240005	240006

*Certain specifications apply to its ISO VG viscosity grade.
**The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible.

HEALTH AND SAFETY, ENVIRONMENT
The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. Handled correctly there are no special precautions suggested.

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