

Description

SUPERDRAULIC ARCTIC is a specially formulated hydraulic oil with excellent low-temperature properties, that ensures the hydraulic fluid flows at temperatures where conventional hydraulic fluids might be too viscous for equipment to operate smoothly and safely. The oil is based on carefully selected base stocks and special additives package and has extremely high viscosity index, allowing operation over a wide temperature range. SUPERDRAULIC ARCTIC contains ashless (zinc free) anti-wear additives to help protect critical components of the hydraulic system from wear. Formulated for use in extreme temperature environment such as arctic climate conditions or cold storage depot, equipment with precision hydraulic system, heavy and light duty hydraulic systems operating under severe temperature. It is suitable for very low or sub-zero temperature arctic operating environment; all types of heavy or light duty hydraulic systems that seldom exceed 75 deg C operating temperature; or for systems starting up at extreme low temperature and the temperature increases during operation.

SUMMARY OF BENEFITS

- Very high viscosity index (VI) and low pour point for use in winter and arctic conditions.
- Minimum change of viscosity to prevent breakage of hydraulic hoses.
- Excellent wear protection for hydraulic pumps & engine.
- Allow safe equipment startup at a very low temperatures, with no or minimum heating of system being required.
- Delivers increased equipment availability and more efficient operation of the hydraulic system, which in turn, helps achieve higher productivity from the machines.

SPECIFICATIONS

- DIETZ AUTOMATION GMBH (SERVO VALVE & PROPORTIONAL VALVE TEST EQUIPMENT)
- DIN 51524 PART 3 HVLP TYPE
- GB 111181-1-94 (HV FLUIDS)
- ISO 11158 (HV FLUIDS)
- KOMATSU MINING (OPERATION IN COLD & ARCTIC CONDITIONS, -50 DEG C TO 35 DEG C)

TYPICAL CHARACTERISTICS

GRADE	TEST METHOD	UNITS	RESULTS
ISO GRADE	-	-	32
DENSITY @ 15°C	ASTM D4052	kg/L	0.843
KINEMATIC VISCOSITY			
@ -40°C	ASTM D445	cSt	2624
@ 40°C	ASTM D445	cSt	33.1
@ 100°C	ASTM D445	cSt	9.74
VISCOSITY INDEX	ISO 2909	-	300
POUR POINT	ASTM D 97	°C	<-45
FLASH POINT (COC)	ASTM D92	°C	218

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.