



Peak Oil

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TECHNICAL DATA

Apollo T Range Multigrade Hydraulic Fluids



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Apollo T Range

Multigrade Hydraulic Fluids

Premium quality hydraulic and circulatory fluids manufactured from solvent refined mineral oils and incorporating an extremely high performance additive system.

Specifically developed to meet or exceed the very stringent performance specifications demanded by major original equipment manufacturers.

Primarily recommended where maximum equipment protection is required when the severest of operational conditions are to be encountered.

Performance Benefits

- ◆ *Extremely sophisticated additive system meets the highest performance requirements of current equipment manufacturers of both static and mobile plant*
- ◆ *Excellent anti wear protection dramatically reduces mechanical abrasion even under the most severe of operational conditions, greatly reducing the frequency and level of maintenance requirements.*

- ◆ *Corrosion, foam and oxidation inhibitors produce an extremely stable lubricant even under the most arduous of working conditions, greatly extending fluid life and substantially reducing maintenance costs*
- ◆ *Highly shear stable viscosity index improvers give extended effective multigrading, significantly increasing equipment efficiencies*
- ◆ *Allows rationalisation of hydraulic fluids, greatly reducing possible mechanical problems due to lubricant misapplication, allows reductions in stocking levels therefore offering reduced costs.*



Typical Physical Characteristics

Apollo	T15	T22	T32	T46	T68	T100
Specific Gravity @ 15°C	0.877	0.876	0.872	0.879	0.882	0.888
Viscosity @ 40°C (cSt)	15.0	22.0	32.0	46.0	68.0	100.0
Viscosity @ 100°C (cSt)	4.0	4.85	6.50	8.50	10.60	13.60
Viscosity Index	170	150	162	170	148	135
Closed Flash Point °C	140	155	195	200	215	240
Pour Point °C	-50	-50	-30	-30	-30	-20

Performance Specifications

Din	51524 Part III (HVLP)
ISO 11158	HM
Sperry Vickers	I-286-S (Industrial)
AFNOR	NF E 48-603 (HM)
Denison Filterability	TP 02100
US Steel	126 & 127

Health and Safety

The product is mineral oil based and should be handled according to good standards of industrial hygiene. Further detailed information please is available on request

Storage

Drums should be stored on their sides in a clean dry place and protected from extremes of temperature, store >5°C.



Batoyle Freedom Group

Lubricants of Excellence

Typical Performance Data

Oxidation Stability Time to TAN 2.0 mgKOH/g	ASTM-D943	1200 Hours
Load Carrying Capability	FZG DIN 51 354	11 Minimum
Vickers Vane Pump Total Mass Loss	DIN 51389 Pt 2	24 mg
Corrosion Protection. Steel Copper	ASTM-D655 A & B	Pass
	ASTM-D130 125°C 3 Hrs	1a
Demulsibility	ASTM-D1401 @ 54°C	10-15 Mins
Shear Stability Index (P-SSI)	DIN 51382 30 Passes	16
	DIN 51382 100 Passes	22
Foaming Behaviour	ASTM D892	Sequence 1 0/0 ml/min
		Sequence 2 0/0 ml/min
		Sequence 3 0/0 ml/min

The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee as the conditions and methods of use of our products are beyond our control.