

Always Smooth, Always Ahead

BALMEROL PROTOMAC H SERIES OILS

(Mineral Oil based Hydraulic & Circulating Oils)

PRODUCT DESCRIPTION

BALMEROL PROTOMAC H SERIES OILS are high quality hydraulic oils, designed to meet the requirements of normal hydraulic & circulating systems. BALMEROL PROTOMAC H SERIES OILS are formulated with best quality high viscosity index mineral oils and synergistic additives for imparting antiwear, anticorrosion, oxidation inhibition and antifoam properties. BALMEROL PROTOMAC H SERIES OILS exhibit low deposit forming tendencies and offer good rust protection and demulsibility characteristics.

TYPICAL APPLICATIONS

BALMEROL PROTOMAC H SERIES OILS are designed for Hydraulic Power transmission in systems operating at moderate to high pressures, speeds and temperature. Meeting Vickers Specifications V - 104C for Vane pump test, BALMEROL PROTOMAC H SERIES OILS are recommended for all types of industrial as well as mobile equipment like fork lift trucks, dumpers, moulding and various hydraulic equipment.

BALMEROL PROTOMAC H SERIES OILS are also recommended for circulation, ring oiling and splash lubrication systems in industrial machinery.

BALMEROL PROTOMAC H SERIES OILS are available in different viscosity grades as per ISO nomenclature to suit different requirements.

For best performance contamination of BALMEROL PROTOMAC H SERIES OILS with other products such as detergent motor oils should be avoided.

AVAILABILITY

BALMEROL PROTOMAC H SERIES OILS series oils are available in 200 litre and 20 litre packing.

PT. ATLAS ENERGIES INDONESIA

BALMEROL PROTOMAC H SERIES OILS

TECHNICAL SPECIFICATION

Characteristics	Specification PROTOMAC					
2	H 32	H 46	H 68	H 100	H 150	H 220
Kinematic Viscosity at	29 - 33	44 - 50	64 - 72	90-105	135 - 160	200 -
40°C, cSt			16			230
(ASTM D 445)			0			
Viscosity Index, min.	100	95	95	95	90	90
(ASTM D 2270)						
Flash Point (COC), OC,	180	190	210	210	230	230
min. (ASTM D 92)						γ
Pour Point, °C, max.	-6	-6	-3	-3	-3	0
(ASTM D 97)						
Foam Stability, quantity of						
foam, ml, max. after 10					* 5	
min. settling time	Nil	Nil	Nil	Nil	Nil	Nil
(a) at 24°C	Nil	Nil	Nil	Nil	Nil	Nil
(b) at 93.5°C	Nil	Nil	Nil	Nil	Nil	Nil
(c) at 24°C after test at					7 -	
93.5°C						
(ASTM D 892)						
Rust Test	No Rust	No Rust	No Rust	No Rust	No Rust	No Rust
(ASTM D 665)					9	
Copper Strips Corrosion	Not	Not	Not	Not	Not	Not
@ 100 deg C. 3 hours	Worse	Worse	Worse	Worse	Worse	Worse
(ASTM D 130)	than 1	than 1	than 1	than 1	than 1	than 1