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## Bartran

### Premium Hydraulic Oil

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#### Description

A range of superior-performance mineral oil-based hydraulic fluids containing non zinc-based anti-wear additives.

The Bartran range combines high lubrication performance with outstanding fine filterability. This data sheet applies to Bartran 15 to 68

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#### Applications

Bartran oils are formulated to provide superior performance in all hydraulic systems, including severely stressed systems in which high levels of anti-wear performance are combined with a requirement for very fine filtration.

The Bartran range is fully compatible with the elastomer materials commonly used for static and dynamic seals, such as Nitril butyl (PERBUNA N\* or BUNA N\*) Fluorinated (VITON\*/TEFLON\*), Perfluorinated (KABREZ\*), Polyurethane (ADIPRENE\*), Polyester (HYTREL\*) \* trade marks

The Bartran oils meet specification requirements of all the major manufacturers of hydraulic pumps and motors, and

the following approvals/recommendations apply :

- DIN 51 524, Part 2
- ISO 6743/4 (NFE 48-603,NFE 60-203), Category HM
- Hagglund-Denison HF-0, HF-2
- Vickers industrial machinery, exceeds I-286-S specification (pump 35V.Q.25)
- Rexnord-Racine vane pumps
- Mannesmann Rexroth Hydromatik piston pumps
- Sigma-Rexroth gear pumps
- Cincinnati Milacron - p. 68-69-70
- US Steel 136

Bartran 32 and Bartran 46 are registered with AQIS Category 12 Lubricant Type C.

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#### Main Benefits

- Highest degree of equipment protection
- Extended oil life and improved tolerance of severe service conditions

- Superior fine filterability even in wet conditions
  - Leading performance in anti-wear protection, oxidation resistance and thermal stability
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#### Storage

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.

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#### Health, Safety and Environment

Health, safety and environmental information is provided for this product in the relevant Materials

will not accept liability if the product is used other than in the manner or with the precautions or for the

Safety Data Sheet, which can be obtained by contacting the BP Lubricants and Fuels Technical Helpline on 1300 139 700. BP Australia, or its subsidiaries

purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office or Lubricants and Fuels Technical Helpline.

# Bartran

## Premium Hydraulic Oil

### Typical Characteristics

Grade :	Bartran		15	22	32	46	68	
Mnemonic:			BA15	BA22	BA32	BA46	BA68	
Product Code :			217517	217529	217530	217542	217554	
	Test Method	Units						
Density @ 15°C	ASTM D1298	kg/L	0.854	0.868	0.878	0.882	0.887	
Flash Point (PMC)	ASTM D93	°C	180	190	204	210	220	
Pour Point	ASTM D97	°C	-27	-27	-27	-24	-21	
Kinematic Viscosity :								
@ 40°C	ASTM D445	cSt	15	22	32	46	68	
@ 100°C	ASTM D445	cSt	3.5	4.3	5.4	6.8	8.7	
Viscosity Index	ASTM D2270		114	104	102	102	100	
Foam Tendency/Stability:	ASTM D892	ml/ml						
Sequence I			20/0	20/0	20/0	20/0	20/0	
Sequence II			40/0	40/0	40/0	40/0	40/0	
Sequence III			20/0	20/0	20/0	20/0	20/0	
Air Release	ASTM D3427	min	<5	<5	<5	7	<10	
(Time to 0.2% at 50°C)								
Demulsification	ASTM D1401	min	<-----40-40-0(5)----->					

Rusting Test	ASTM D665B	rating	no rust	no rust	no rust	no rust	no rust
Copper Corrosion 3h/100°C	ASTM D130	rating	1b	1b	1b	1b	1b
Neutralisation Value	ASTM D974	mgKOH/g	0.12	0.12	0.12	0.12	0.12
Seal Compatibility Index:	IP 278	rating	5	5	5	10	10
(24h at 100°C)							
FZG Gear Test:	IP 334	stage	12	12	12	12	12
(A/8.3/90° C)		failure					

*The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*

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