



Manufacturer of Air Control Valves

MAC VALVES, INC.

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AIR VALVE LUBRICANTS

MAC Valves has complied for reference a partial list of suitable oils, given upon request, for customer applications. If given a choice, this list should help avoid potential problems down the road. The information is provided as the result of recent lab testings and a great deal of field experience. The suitable oil should have an aniline point in the 180-210 range and viscosity of 150-200 seconds at 100 (S.A.E. #10).

The following oils without additives are satisfactory:

MANUFACTURER

NFO
NFO
CHEVRON
CHEVRON
EXXON
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
MOBIL
WOLVERINE
TITAN
TITAL
AMERICAN

OIL NUMBER

NFO 10 H/NR
NFO 10 W/NR
AW 10 MACHINE OIL
HANDY OIL - 15
TERESSTIC 32
MOBIL DTE LIGHT
DEXRON II ATF
AFT 210 TYPE F
DTE 13M
ALMO 525
MIST LUBE 24
DTE 24
HYDRAULIC OIL 13
HYDRAULIC OIL AW 32
A-INDUSTRIAL 150 R&O
TYPE F ATF
DEXRON II ATF
INDUSTRIAL OIL - 32

The use of Kerosene, animal or vegetable fats should be avoided for additives or cleaning agents. Also, the use of any penetrants such as WD40 should NEVER be used on any rubber seals. MAC is willing to test and evaluate any oils a customer is using that is additional to this listing. Please contact our sales department with any questions.



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TO: ALL DISTRIBUTORS

DATE: DECEMBER 14, 1995

SALES BULLETIN: #34-95

SUBJECT: MARVEL MYSTERY OIL

It has come to our attention that there are a few customers that are using Marvel Mystery Oil. This oil was formulated for automobile engines and may be a good product, however, it is devastating to rubber seals. When the oil comes in contact with the rubber it swells the seals which could cause the valve to stick. Unlike most oils that we have analyzed, Marvel Mystery Oil will evaporate out of the rubber, returning the seal to its original size. When valves are returned to us for evaluation, this problem can make it difficult to render an accurate diagnosis.

The second problem involves solvents used in Marvel Mystery Oil. These solvents will dissolve the lubricants molded into our rubber seals which can also lead to sticking particularly at low pressures when you have the least margins of force available.

Please make all your sales people aware of this situation and address it appropriately.

Sincerely,

MAC VALVES, INC.

Jim Rude
Sales Engineer

JR:rw