



HVI

THE **HIGH VISCOSITY HYDRAULIC OIL** THAT PROVIDES



**EXTRA MARGIN
OF SAFETY AND
PERFORMANCE**



ANGLOMOIL HVI:

- Meets and exceeds the toughest international oxidation, wear and corrosion tests of:-
 - Denison HF-0 HF-1 HF-2
 - Vickers 1-286-S M2950-S
 - Racine Model S, variable volume vane pump
 - Cincinnati Milacron P-68 P-69 P-70
 - Din 51524 Part 2
 - Lee Norse 100-1
 - Jeffrey No. 87
 - Ford M-6C32
 - US Steel 136 127
 - BF Goodrich 0152
 - General Motors LH-04-1 LH-06-1 LH-15-1
 - Commercial Hydraulics
 - AFNOR E48-603
- Contain viscosity modifier which maintains higher viscosity at elevated temperatures
- Foam resistance which eliminate hydraulic flutter and irregular cylinder action

**ANGLOMOIL HVI HAS BEEN FORMULATED TO MEET THE
DEMANDS OF TODAYS HARD WORKING HYDRAULIC SYSTEMS.**

Product Information **ANGLOMOIL HVI**

Hydraulic oil is the most important component of any hydraulic system. Hydraulic oil is different than other lubricants, not only it lubricates, it's also transmits force, seal and cool. It multiple roles make viscosity the most important property of the oil because it affects machine performance and service life.

In view of the current trend towards hydraulic equipment with higher operating pressures, higher power density, faster response and reduction in pump and equipment sizes – it's more important than ever to consider the using of high-quality hydraulic oils.

HIGH VISCOSITY

Viscosity is the most important factor when selecting hydraulic oil. The viscosity of oil indicates its internal friction. The viscosity of the hydraulic oil changes with changes in temperature. A typical hydraulic pump converts approximately 20% of its horsepower into heat. Heat is the biggest enemy of a hydraulic system. Heat increased results in developing varnish deposits over time that lead to increase frictional wear and tear, excessive pressure and power loss. Anglomoil HVI contains high viscosity modifier which maintains optimum viscosity at higher temperatures maximizes hydraulic pump efficiency.

MAXIMIZE OIL SERVICE LIFE

Hydraulic oils are subjected to severe oxidation because of agitation, temperature and pressure in the system. Oxidation causes a sludge, varnish, gum and acids. The molecular structure of Anglomoil HVI and essential additives used protect against wear, oxidation, rust and foaming, and meets the performance specifications of leading manufacturers of hydraulic equipment. Anglomoil HVI is a new option for keeping hydraulic systems clean from varnish.

ELIMATE 'MID-DAY FADE' DELIVER MAXIMUM POWER

Modern hydraulic system operating pressures often exceed 7 Mega Pascal (1000 psi) and when this pressure is combined with operating temperatures in excess of 100° C, Anglomoil HVI which is manufactured in the standard grades established by the International Standards Organization provides the extra margin of safety and performance.

EXTEND SEAL SERVICE LIFE

Hydraulic seals and hoses are improving all of the time. But oil temperatures above 82°C will speed up the degradation of seals and hoses. The constant cycle of heating and cooling – a process known as aging – is more severe when temperature is extremes. Aging causes seal loses it elastic properties. This results in leaking seals and hoses. Operating temperatures 10°C above recommended limits can reduce seal life by 80 percent or more. Anglomoil HVI contains special ingredients to ensure minimum effect on rubber component and therefore extend seal service life.

PERFORMANCE STANDARDS

Oxidation, wear and corrosion tests established by Denison and Vickers are amongst the most severe in the industry and are widely recognized by other equipment manufacturers. Anglomoil HVI meets or exceeds international specifications for industrial and mobile hydraulic systems:

Denison HF-0 HF-1 HF-2
US Steel 127 136
BF Goodrich 0152
Lee Norse 100-1

Eaton Vickers 1-286-S M2950-S
Cincinnati Milacron P-68 P-69 P-70
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ANGLOMOIL MANUFACTURING DIVISION