

v G • J ' = A 7 8 A 6 : ? C O f <

Maintenance-Free Technology of Hydraulic Equipment

^ \ x u (Koji Kawashima) , D F u (Shinji Tanaka) MŠ K d (Katsuhiko Kato)

' k :

• J ' [T (¢ • J ' c a # —% ' 9 > A 6 ' - s) / ~ fl ' 9 > A 6 (¢ c a B —% ' Z " i † ~ " % ¢ • J 1 P . ~ ¢ € Y & , Ž ! * _ R i O / ~ ž) . ¢ m i f < + - j B " n B • " f < & , / • J ' £ c a O ¢ —%™ z † ~ " (% ¢ • € Y g U # / ! ' v G ' y w O + v G fl ' * ' ' ~ ' Ÿ f ¢ i - & (4 C @ f < % \$ ' v G | { f < & , Ž ! * œ [T O ° Q † # % / ~ fl ' † o ¢ • J ' = A 7 8 A 6 : ? C O ° š e i O / ~ E V ¢ | { t ¢ t W H N t ¢ W , ' y w O & , / • J ' = A 7 8 A 6 : ? C O 1 š e / ¢ i - & W b t ¢ 2 @ 3 ? y w O 4 6 7 < ^ G ' = A 7 8 A 6 : ? C O * š e / £ ~

Synopsis :

The life of equipment relays on the balance of its strength and load. The balance is influenced by its surrounding circumstances as well as by the amount of strength and load. In other words, the life of equipment can be made longer by high tening its strength and lightening the load which are achieved on the basis of material technology, the diagnosis, the analysis and the design technology of equipment. A longer service life can be made possible also by cleaning fluid, the development of fluid quality and, moreover, sealing technology, and the like, as circumstance improvement. As a consequence of that, maintenance free of equipment will be accomplished. This paper describes the maintenance free technology of fluid equipment, which has been accomplished by cleaning lubrication oil, hydraulic pressure oil and air and still more, the maintenance free of cleaning system f1ET Q 0.24 -2c 3 0 3Tm TT7-2c 4B (n) -4l (n) -3 () -40) -1

Maintenance-Free Technology of Hydraulic Equipment



要旨

設備の寿命は、設備の稼働し、劣化の防止、および、修理の容易さによって決まる。本論文は、



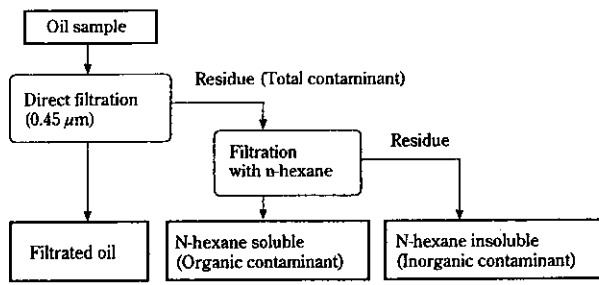


Fig. 6 Schematic of hydraulic fluids analysis

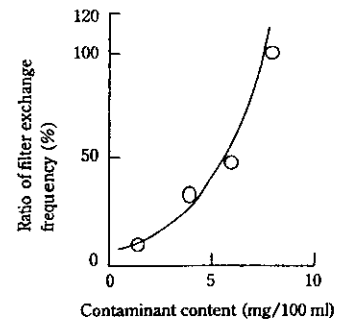


Fig. 8 Contaminant content and frequency of valve filter exchanges

