# 980
# Excavator

# Service Manual

9-73476

CASE CONSTRUCTION

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## Blade Edges Lifted



Blade edges of the compressor wheel lifted by improper removal of the compressor housing. Housing should not be pried off but lifted straight off.

## Bearing Damage



Engine bearing material imbedded in the bearing surfaces. Checkout the engine for possible bearing failure.

## Turbine Shaft & Bearings



Turbine shaft and bearings showing effect of oil starvation.

## Bearing Failure



Bearing failures occur in two separate areas. Scoring on the inside as well as the outside is attributed to dirty oil. Abrasive wear can also cause erosion around the oil holes in the bearings. A good bearing is shown in the lower right for comparison.


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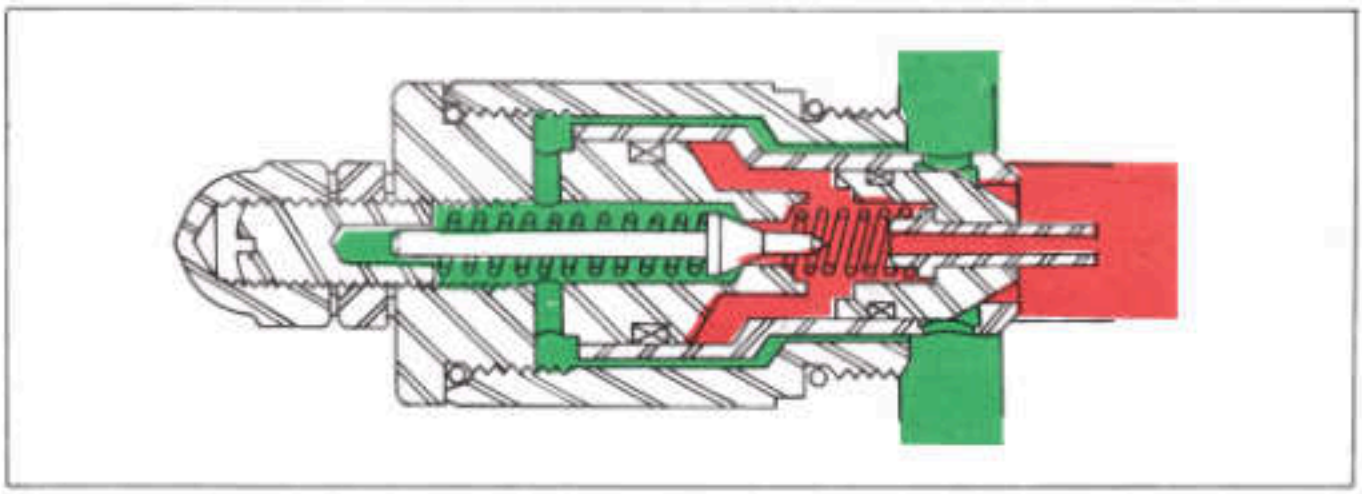


Figure 13.

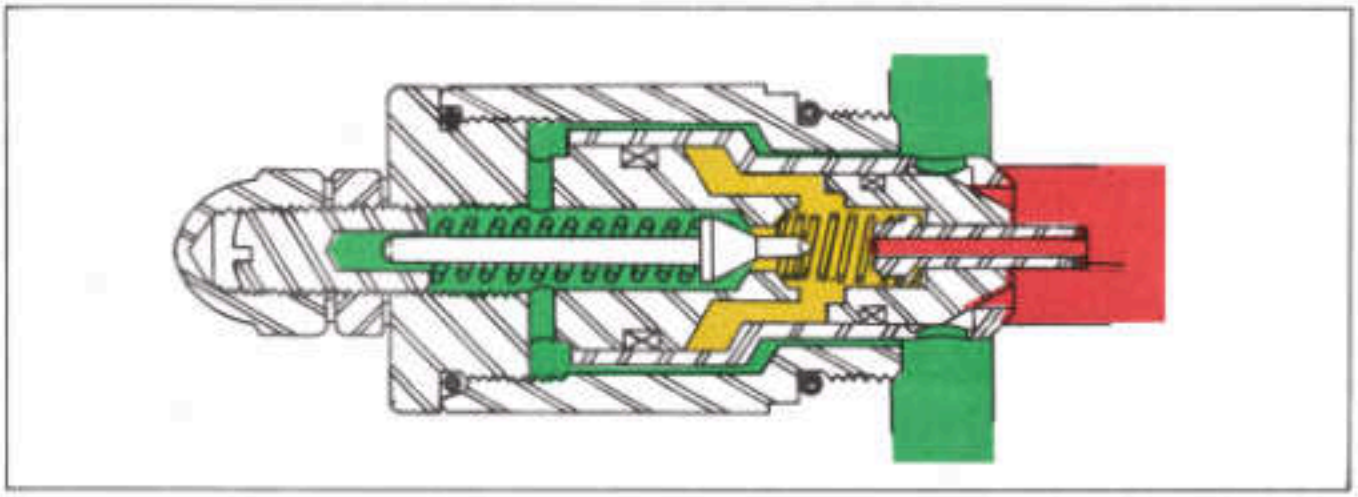


Figure 14.

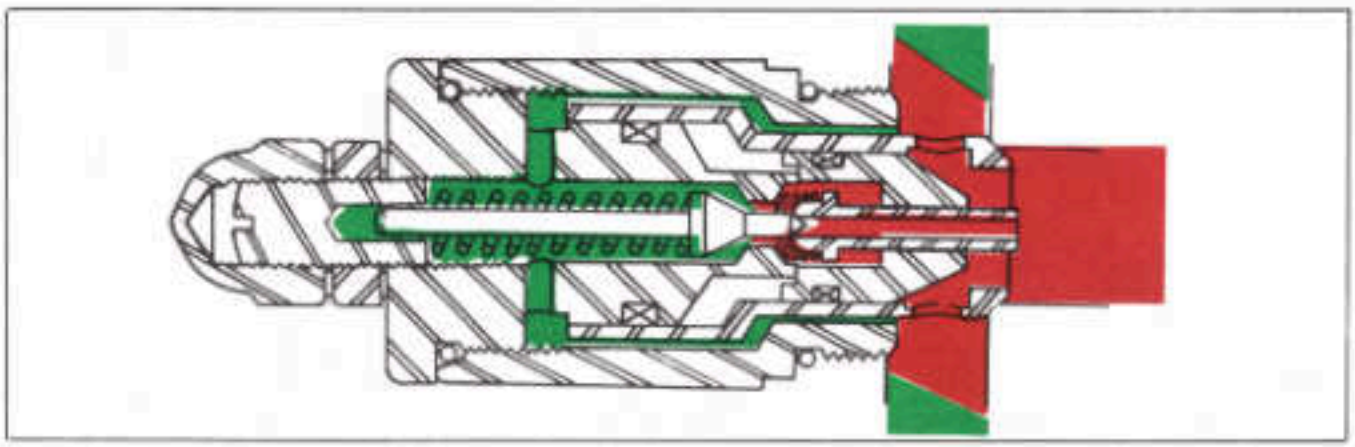


Figure 15.



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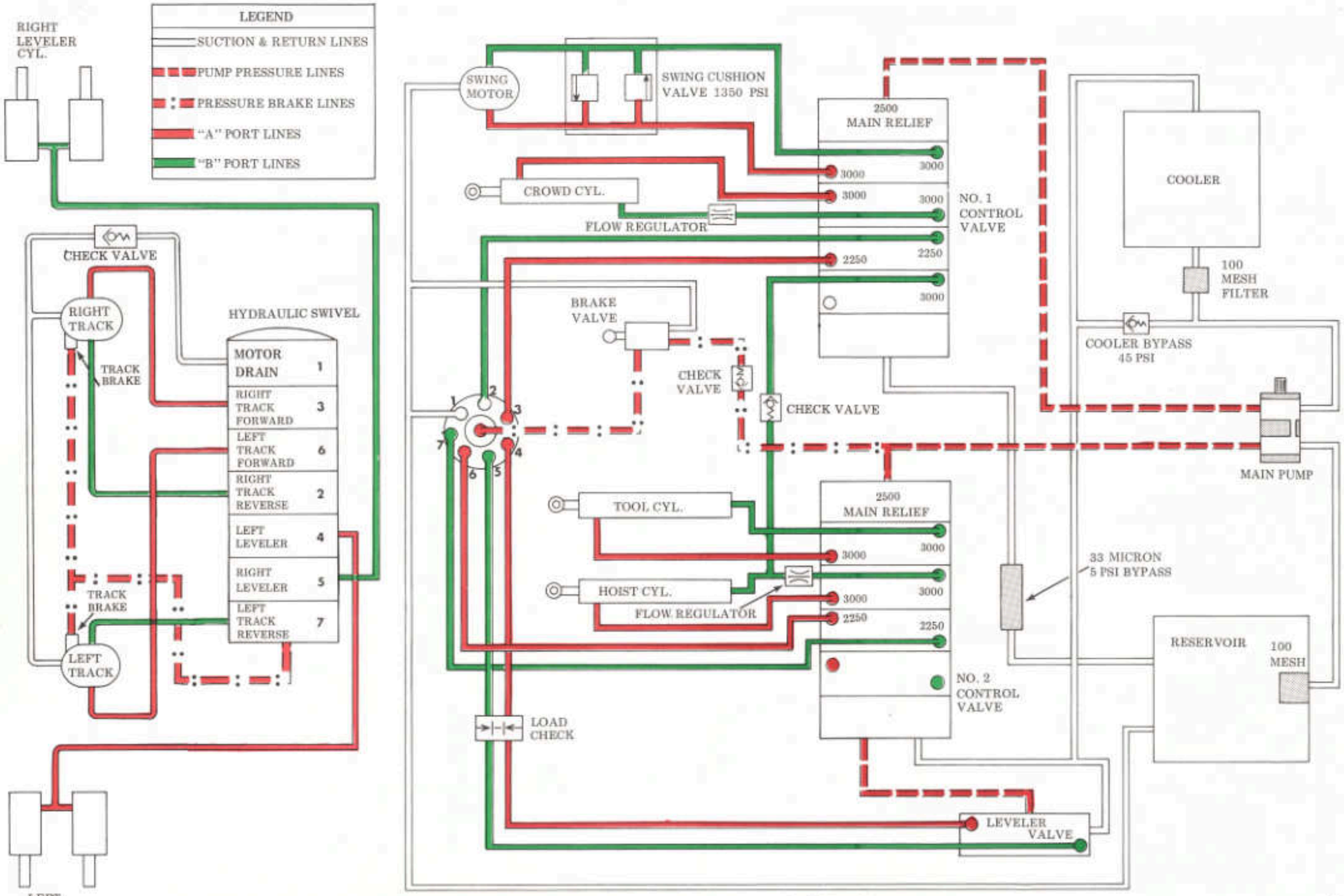



Figure 1. Hydraulic Flow Diagram



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