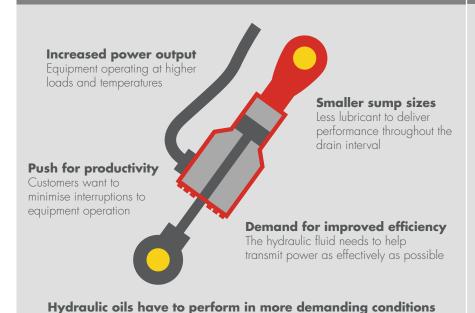


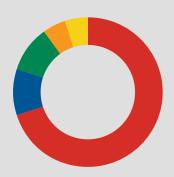
# IMPROVING RELIABILITY AND PRODUCTIVITY OF HYDRAULIC SYSTEMS<sup>1</sup> TO HELP CUT TOTAL COST OF OWNERSHIP

WITH SHELL TELLUS HYDRAULIC OILS

## CHANGES TO EQUIPMENT TECHNOLOGY AND OPERATION PLACE INCREASING DEMANDS ON HYDRAULIC OILS

## KEY CAUSES OF OPERATING DIFFICULTIES IN INDUSTRIAL HYDRAULIC SYSTEMS<sup>2</sup>





- Improper hydraulic fluid condition
- Improper diagnosis of a problem, or lack of knowledge in making repairs
- Mechanical failures (bearing failures due to misalignment, seal failures due to dirt, etc.)
- Operating units beyond recommended limits of speed, pressure, or volume
- Miscellaneous causes

#### THE CRITICAL ROLE OF HYDRAULIC OIL

#### **WEAR PROTECTION**

### Helps limit wear and corrosion, to guard against breakdown

#### **LONGER EQUIPMENT LIFE**

Greater resistance to oxidation helps equipment operate under higher stresses for longer

#### **SYSTEM EFFICIENCY**

Efficiently transmits power through the system

#### SHELL TELLUS S2 MX AND VX HYDRAULIC OILS CAN HELP DELIVER COST SAVINGS1

#### **INCREASED WEAR PROTECTION<sup>1</sup>**

- Helps reduce wear rate even in harsh conditions<sup>3</sup>
- Helps protect against copper corrosion<sup>4</sup>, rust<sup>5</sup> and scuffing<sup>6</sup>
- Shell Tellus S2 MX is among the first to meet new Bosch Rexroth standard for wear protection in extreme conditions<sup>3</sup>

#### LONGER OIL LIFE<sup>1</sup>

- Over 5000 hours TOST life: 3x industry and OEM limits<sup>7</sup>
- Double the oil life of Shell Tellus S2 M and V7
- 400 mins in Rotary Pressure Vessel Oxidation Test<sup>8</sup>

#### **MORE EFFICIENT SYSTEM OPERATION**

#### Thanks to:

- Excellent friction control<sup>9</sup>
- Excellent filterability<sup>10</sup>
- Consistent water separation<sup>11</sup>
- Improved air release<sup>12</sup>
- Excellent stick-slip control<sup>9</sup>

#### This can help:

- Reduce frequency of breakdown
- Improve reliability of operations
- Lower maintenance costs

#### This can help:

- Extend maintenance cycles
- Lower maintenance costs
- Reduce downtime
- Improve operational efficiency

#### This can help:

- Ensure equipment meets or exceeds its design capabilities
- Enhance productivity by extending maintenance cycles

ALL HELPING IMPROVE RELIABILITY AND PRODUCTIVITY OF HYDRAULIC SYSTEMS, CONTRIBUTING TO REDUCED TOTAL COST OF OWNERSHIP

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