

ISO/TR 6057:2023-04 (E)

Hydraulic fluid power - Sample calculations for ISO 11171

Contents		Page
	Foreword	iv
	Introduction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Example 1: Selection of threshold voltage settings	1
5	Example 2: Evaluating data quality	3
6	Example 3: Dilution of samples	5
7	Example 4: Relating particle size to threshold voltage setting for particles 30 $\mu\text{m}(\text{c})$ and smaller	7
8	Example 5: Relating particle size to threshold voltage setting for primary calibration of sizes larger than 30 $\mu\text{m}(\text{c})$	9
9	Example 6: Construction of calibration curve	11
10	Example 7: Calculation of coefficient variation for volume measurement using ISO 11171:2022, Clause A.8	12
11	Example 8: Determination of coincidence error limit	13
12	Example 9: Determination of flow rate limits using ISO 11171:2022, Annex C	14
13	Example 10: Determination of resolution using ISO 11171:2022, Annex D	17
14	Example 11: Verification of counting accuracy and secondary calibration suspensions using ISO 11171:2022, Clause E.1	18