

Iso 4406 1999 Code Chart Triboservicios

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Iso 4406 1999 Code Chart

ISO 4406:1999 Code Chart. Understanding ISO Codes - The ISO cleanliness code (per ISO4406-1999) is used to quantify particulate contamination levels per milliliter of fluid at 3 sizes 4 µ[c], 6 µ[c] and 14 µ[c]. The ISO code is expressed in 3 numbers (example: 19/17/14). Each number represents a contaminant level code for the correlating particle size.

ISO 4406:1999 Code Chart - TRIBOSERVICIOS

As noted at the beginning of this tutorial, the objective of the ISO 4406:1999 is to classify particulate contaminants in hydraulic fluids. ISO-code charts provide easy comparison and classification of all types of particulate contaminants in hydraulic fluids.

ISO 4406|Cleanliness Code Charts|Sealing & Contamination ...

ISO 4406:1999 Codes - A three digit code indicating number of particles per milliliter greater than 4, 6, and 14 microns Specifying proper filtration has become more difficult since the days of “nominal” rated filters.

ISO 4406:1999 Codes - A three digit code indicating number ...

The International Organization for Standardization created the cleanliness code 4406:1999 to quantify particulate contamination levels per milliliter of fluid at three sizes: 4µ[c], 6µ[c], and 14µ[c]. This ISO code is expressed in 3 numbers: 19/17/14. Each number represents a contaminant level code for the correlating particle size. The code includes all particles of the specified size and larger.

ISO 4406 Cleanliness Codes | Precision Filtration Products

the 14m(c) part of the code could actually be higher than 7, thus the presence of the ≥ symbol. Box 1: ISO 4406:1999 Hydraulic Fluid Power - Solid Contamination Code (New) Components Cleanliness Levels (ISO Code) 4m(c)/6m(c)/14m(c) Gear Pump 19/17/14 Piston Pump/Motor 18/16/13 Vane Pump 19/17/14 Directional Control Valve 19/17/14

Box 1: ISO 4406:1999 Hydraulic Fluid Power - Solid ...

ISO 4406:1999 establishes the relationship between particle counts and cleanliness in hydraulic fluids (common practice has extended the application of this standard to lubricants as well). This international standard uses a code system to quantify contaminant levels by particle size in micrometers (µm).

ISO 4406:1999 cleanliness codes | Synforce Lubricants

ISO 4406:1999 Code Chart Range Code Particles per Milliliter More Than Up To/including 24 80000 160000 23 40000 80000 22 20000 40000 21 10000 20000 20 5000 10000 19 2500 5000 18 1300 2500 17 640 1300 16 320 640 15 160 320 14 80 160 13 40 80 12 20 40 11 10 20 10 5 10 9 2.5 5 8 1.3 2.5 7 0.64 1.3 6 0.32 0.64 Particle Size Particles per Milliliter ISO 4406 Code Range ISO Code

UNDERSTANDING ISO CODES - Hy-Pro Filtration

UNDERSTANDING ISO CODES ISO 4406 Chart Code More than Up to/including 24 80000 160000 23 40000 80000 22 20000 40000 21 10000 20000 20 5000 10000 19 2500 5000 18 1300 2500 17 640 1300 16 320 640 15 160 320 14 80 160 13 40 80 12 20 40 11 10 20 10 5 10 9 2.5 5 8 1.3 2.5 7 0.64 1.3 6 0.32 0.64 Particle Size

UNDERSTANDING ISO CODES - Precision Filtration Products

ISO codes (fuel contamination)ISO standard 4406:1999 is used to measure contamination in fuel, as well as in hydraulic systems (see page 6).The only difference is that particle counts are usually expressed as per millilitre, rather than per 100ml, so the raw counts are generally 100 times lower. 22 20 000 40 000 21

Guide to Contamination Standards

The ISO codes, according to the ISO 4406:1999 standard, relate to only three different ranges of particles, ≥4 µm/≥6 µm/≥14 µm. It should be noted that each range is equal to or greater than its designated micron rating, meaning that all particles counted in the ≥14 micron range will be included in the count for the ≥6 micron range, which in turn is included in the ≥4 micron range.

Understanding ISO Codes - TestOil

ISO 4406:99 is the reporting standard for fluid cleanliness. According to this standard, a code number is assigned to particle count values derived at three different micron levels: greater than 4 microns, greater than 6 microns and greater than 14 microns.

What is the ISO Cleanliness Code? - Lubrication

ISO 4406:1999(en) × ISO 4406:1999(en) ... The new edition introduces a three-part code for contamination levels measured with automatic particle counters calibrated in accordance with ISO 11171. It also introduces equivalent particle sizes for such counters, based on calibration with NIST standard reference material SRM 2806.

ISO 4406:1999(en), Hydraulic fluid power ? Fluids ? Method ...

ISO/NAS/SAE Code Comparison Table The comparisons relate to particle count data only. To conform to any particular standard, reference should be made to the recommended experimental procedure. ISO/DIS 4406 BS 5540/4 codes Defence Std. 05/42 NAS 1638 SAE 749 Table A Table B 13 / 11 / 08 2 14 / 12 / 09 3 0 15 / 13 / 10 4 1 16 / 14 / 09 400F 16 ...

Guide to Contamination Standards - Parker Hannifin

ISO 4406 Code. Cleanliness levels are defined by three numbers divided by slashes (/). These numbers correspond to 4, 6 and 14 micron, in that order. Each number refers to an ISO Range Code, which is determined by the number of particles for that size (4, 6 and 14 micron) and larger present in 1 ml of fluid.

Understanding ISO 4406 - MobileHydraulic Tips

There are a number of different cleanliness code standards, we will detail a few of the common ones here. ISO 4406 is a three part code (e.g. 18/17/13), where the first number encodes the number of particles greater than 4µm in size, the second number refers to particles greater than 6µm, and the third number quantifies particles greater than 14µm (>4/>6/>14)*.

ISO 4406, NAS 1638 & SAE AS4059 Cleanliness Codes | Oil ...

ISO standard 4406:1999 provides a way of summarizing the distribution of contaminants in a fluid by counting the particles per 100ml sample of hydraulic fluid: the figures are cumulative. To make the numbers less cumbersome, they are converted to number codes, as in the following table.

Meeting ISO 4406 Cleanliness Standards with Diesel and ...

As shown in the chart, new oil is approximately rated at 18/15. Kleenoil Bypass Filters will attain ISO 4406 to a standard of 14/9! The ISO 4406 cleanliness level standard is used to reference the number of particles greater than 5 and greater than 15 microns in a known volume. For our usage, this volume will be 1 ml.

ISO 4406 Contamination Chart - Kleenoi Bypass Oil Filter ...

Cleanliness Code Conversion: SAE AS 4059 - Equivalent ISO 4406 Class Based on ISO 4406: 1999 and SAE AS 4059 Revised 2005- 05: Rev E 8/29/07 . SAE AS 4059 . SAE AS 4059 to ISO 4406: 1999 correlation chart.