

Contamination Monitoring / Hydraulic Test Center



For those who want to document test component cleanliness on test reports and want real time feedback on the cleanliness of their Hydraulic Test Center (HTC). The Contamination Monitoring accessory eliminates the delay of bottle



sampling. The Contamination Monitoring accessory fully integrates into the HTC and offers real-time cleanliness level measurement from 1 of 3 different circuits. By moving two quick disconnects, the monitor can measure the machine oil reservoir, component oil reservoir, or the oil coming directly from the component under test. The pressure range for measuring directly from the component under test is 250 to 7,251 psi (17.24 to 500 bar).

Everything you need to succeed

The connections to a component under test are 1/8 in. (3.18 mm) ISO 15171-1 male nipple for return and pressure connection is Minemess 1620 test points M16 x 2.0 male nipple. Testing includes water content (relative to the degree of saturation) and ISO contamination level according to ISO 4406. Recommended calibration is every 36 months, LED light source increases sensor life, +/- 0.5 ISO code accuracy, fault monitoring on a real-time basis.

The Contamination Monitoring accessory includes measuring devices, bracketry and plumbing. This accessory is best purchased when ordering a new HTC however, it can be added later if needed. The estimated field installation time is 2 days (8 hours per day).

CmStatus 1	150 4406 Codes	Class	More Tha	- Inc 4	Ta l Part	ole - IS icte count	0 440	6 ml			
CmStatus 1	ISO 4406 Codes	Clase	More Tha		Part	icle count	t / 100 i	ml			
CmStatus 1	14 0 ISO 4406 Code	Class	s More Tha	Particle count / 100 ml							
CmStatus I	1/1 0 ISO 4406 Code			an Up to (a	nd includ	ing) Cla	ss∥ M	ore Than	Upto	(and includ	ng)
CmStatCodo A	1 / 1 ISO 4406 Code	ľ	0.00	1.00		15	16,0	00.00	32,00	0.00	
CmStatCodo	1-1.0	1	1.00	2.00		16	32,0	00.00	64,00	0.00	
CmStatCodo A	CmISO4um	2	2.00	1.00		17	61,0	00.00	130,0	00.00	
		5	4.00	8.00		18	150,	000.00	250,0	00.00	
		-	16.00	32.00		20	500	000 00	1 000	000.00	
	12.0 ISO 4406 Code	c c	10.00	G4.00		20	1.00		2,000	000.00	
	C 1504	7	64 00	130.00		22	2.00	000000	4 000	000.00	
	CmisObum	8	130.00	250.00		23	1.00	0.000.00	8.000	000.00	
CmStatByte 0		9	250.00	500.00		24	8,00	0,000.00	16,00	0,000.00	
cinstate v	Q ∩ ISO 4406 Code	10	500.00	1,000.00		25	16,0	00,000,00	52,00	0,000,00	
N.	9.0	11	1,000.00	2,000.00		26	32,0	00,000.00	64,00	0,000.00	
	CmISO14um	12 2,000.0		4,000.00		27	27 64,000,000.00 130,00			00,000.00	
CmTomp 27.0 °C		13	4,000.00	8,000.00		28	130,	000,000.00	250,0	00,000.00	
Cintemp 57.9 °	14 8,000.			00 16,000.00							
CmDrive 30.0 %	SAE AS4059 (D) Codes	Table - SAE AS 4059 Maximum particle count / 100 ml									
			s	zc ISO 4402	1um >	5um ⊳	15 um	> 25 um >	50 um 🗦	100 um	
Flow State	1.2 SAE AS 4059 (D) Code		s	ve ISO 11171	4 umra >	6 umra 🕨	14 umra	> 21 umral >	38 u mei 🖡	70 um a	
	CHICAE A		-	Size Coding	Δ.	3	C	D	F	6	
	CIIISAE_A		-	000	195	76	14	- 3	1	0	
HIGH				00	390	152	27	5	1	0	
	0.0 SAE AS 4059 (D) Code			0	780	301	54	10	2	0	
Current Status is Ok+				1	1,560	609	109	20	4	1	
	CmSAE_B			2	3,120	1,220	217	39	1	1	
				3	6,250	2,430	432	76	13	2	
OK	● ● SAE AS 4059 (D) Code			4	12,500	4,850	864	152	26	4	
UK	0.0			5	25.000	9,730	1,750	306	55	8	
	CmSAE_C			6	50.000	19,500	3,460	612	106	16	
OK					200,000	38,900	12,000	1,220	212	32	
UK-	0 0 SAE AS 4059 (D) Codo			ů	100,000	156 000	27 700	4 900	\$48	128	
	0.0 SAL X3 4059 (D) CODE			10	800.000	311.000	55,100	9,800	1,00	256	
						a second of the second s					
	CmSAE_D			11	1 500 000	523 000	111 000	19,600	3,500	512	
LOW	CmSAE_D			11 :	1,500,000	523,000 250,000	111,000	19,600	3,390	512 1.020	

Contamination Monitoring Screenshot from DynPro, Data Acquisition and Control System



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