

Hymat Services

AUTHORISED DISTRIBUTOR OF BHARAT PETROLEUM CORPN LTD. (BPCL

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Contamination Level Chart (As per NAS & ISO)

It is inevitable that Hydraulic & Lubricating Oil will be contaminated at different stages. This contamination is a nuisance as it seriously affects the performance of the equipment. Therefore, to have trouble free operation of the System, not only the level of contamination but sizes & number of particles must be tightly controlled and monitored. As a part of Customer Education and awareness program HYMAT SERVICES are pleased to reproduce the International Oil Cleanliness Level Chart as per ISO & NAS Class as follows:

STANDARD		Number of Particles per 100 ML of Oil.				
NAS 1638	ISO 4406	MICRON RANGE				
Cleanliness Level		5 to 15	15 to 25	25 to 50	50 to 100	>100
oo	8 / 5	125	22	4	1	-
o	9 / 6	250	44	8	2	-
1	10 / 7	500	88	16	3	1
2	11 / 8	1000	178	32	6	1
3	12 / 9	2000	356	63	11	2
4	13 / 10	4000	712	126	22	4
5	14 / 11	8000	1425	253	45	8
6	15 / 12	16000	2800	506	90	16
7	16 / 13	32000	5700	1012	180	32
8	17 / 14	64000	11400	2000	360	64
9	18 / 15	128000	22800	4100	720	128
10	19 / 16	256000	45600	8100	1440	256
11	20 / 17	512000	91200	16200	2800	512
12	21 / 18	1024000	182000	32400	5800	1024

Hymat Services offer professional services for Measuring the contamination Level in Hydraulic & Lubricating Oils and also filtering out the excess amount of contamination from the oil, by using Latest state of the art instrument like LASER PARTICLE COUNTER and PORTABLE OFF LINE FILTRATION SYSTEM.

Services are offered at your doorstep and operation is absolutely hassle free, as you need not stop the machine. We offer our services to maintain the contamination level within certain International Standards like ISO / NAS / MIL / ACFTD etc. and accurate reports indicating the number of particles and its sizes are submitted before and after cleaning operation. All this services are offered at regular intervals during the year on Annual Maintenance Contract basis and at nominal rates. For further information please contact us.

V.S.Dave.