

Hymat Services

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Following is the copy of the Test report printed out by Laser Particle Counter which is Generally known as Portable Oil Diagnostic System – PODS. Oil Samples are drawn automatically and each sample is tested 3 times and is indicated as RUN -1, RUN – 2 AND RUN – 3 and average is shown in the last column. Report indicates oil cleanliness level as per international standard like NAS / ISO / ACFTD etc. and results are shown as – Set / start / Stop.

SAMPLE REPORT

PODS by ART Instruments, INC. OIL FILTRATION REPORT

Sample : BLVL200BM1.1.27

APRIL 05,2003

Start Time : 12:33:14

Stop Time : 15:08:35

Volume : 10 mL / RUN

Viscosity : 68 cSt

Reported Concentration : Parts / 100 mL

Unit ID : 10

Duration : 02:35:21

Flow Rate : 50 mL / Min.

Fluid Temp : 39.1 C

Set NAS Class 10

Start NAS Class 12

Stop NAS Class 10

Starting Concentration

SIZES	RUN1	RUN2	RUN3	Avg.
5 - 15 Mic.	2673940	3225940	3224090	3041323
15 - 25 Mic.	27230	39050	34920	33733
25 - 50 Mic.	6540	8550	7910	7666
50 - 100 Mic.	670	1040	590	766
> 100 Mic.	590	590	670	616

Stopping Concentration

SIZES	RUN1	RUN2	RUN3	Avg.
5 - 15 Mic.	224230	157710	138640	173526
15 - 25 Mic.	1450	920	85	1073
25 - 50 Mic.	640	750	380	590
50 - 100 Mic.	30	50	0	26
> 100 Mic.	0	0	0	0

NAS is National Aero Space Standard which specifies the concentration level of solid particles in 100 mL of Oil.