



Filtek (India) Pvt. Ltd.

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FILTER OIL PATCH TEST KIT



Filtek (India) Pvt Ltd is pleased to introduce a compact oil patch testing kit to test the oil condition on a 0.8-micron filter paper. The specially made kit consists of a vacuum pump, beaker, graduated cylinder with holder, stirrer, test tube, Power cable, set of 100 x 0.8-micron filter patches of 25mm OD, a solvent similar to Petroleum Ether and an instruction manual.

This test will indicate within a few minutes, the oil quality “before” and “after” filtration. The oil diluted with the solvent is passed through the 25mm oil patch with the help of a vacuum pump. All particles smaller than 0.8 micron will pass through the filter paper and the ones larger than 0.8 micron will get deposited on the filter paper (see attached pictures).

Operation:

Assemble the bottom container to the graduated cylinder with the green separator. The 5 ml sample oil is drawn through a syringe and diluted with petroleum ether in the graduated cylinder. This cylinder is attached to the beaker with a tong attachment consisting of a 0.8 micron patch through which the diluted oil is drawn using a vacuum pump which is connected to the bottom beaker. All particles > 0.8 micron will remain on the Millipore patch. You can compare the oil patch before filtration and the one after filtration.





Filtek has introduced a portable oil patch test kit to determine oil quality after the filtration process and then compare the 0.8 micron filter oil patch with the one prior to the filtration process. The below pictures depict the test procedure.



Add 5 ml of oil to test (1)



Add 10 ml solvent



Stir and shake



Fit the tube to the vacuum pump, insert the assembly to place the oil patch



Place cylinder over the patch



Secure the assly with the tongs



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Start vacuum pump



Pour oil in the cylinder and let it drain in the flask.



Place the patch on the format and cover with a transparent tape.

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OIL PATCH TEST REPORT

A spot was conducted: Used Dirty Oil of 140 Litres on Filtek Filtration Skid FT-400 for 2 hours. Then similar test was conducted on Filtek Filtration Skid FC-3, using Filter Cartridges GP 32 B, again for 2 Hours.

The results of the patch tests are as follows:

Dirty Oil	Clean Oil
	

Test done by: Santosh Kadam, Technician, Filtek India Pvt. Ltd.

Checked by: Khandoba Crusher

Approved by: Shankar Gakhwad, Workshop Manager, Filtek India Pvt. Ltd.

Go Green.... Keep Your Oil Clean !!!