



TRANSPORTATION ENGINEERING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Kanpur 208 016, India



Date: 08/09/2023

To,
Nexus Petro Industries Pvt. Ltd.
Office no 807, 8th Floor, Binori- B square 1
Near Hathisinhvadi, Iscan Ambali Road,
Karnavati Ahmedabad, Gujrat

Your Ref: Email dated 04/05/2023

Sub: Testing of bitumen VG-30 and VG 40 as per IS 73: 2013

Test report on bitumen (VG-40)

S.no	Name of the test	Test value	Method of test
1	Penetration @ 25° C	60	IS 1203 -1978 Reaffirmed 2004
2	Absolute Viscosity @ 60° C, Poises	4504.94	IS 1206 (Part II) -1978 Reaffirmed 2004
3	Kinematic viscosity @ 135° C, cSt	640.91	IS 1206 (Part III) -1978 Reaffirmed 2004
4	Flash Point ° C	285	IS 1448 (P: 69) : 2013
5	Solubility in trichloroethylene, percent by mass	99.32	IS 1216 -1978 Reaffirmed 2004
6	Softening Point ° C	54	IS 1205 -1978 Reaffirmed 2004
7	Test on residue from rolling thin film oven test:		
a	Viscosity Ratio @ 60° C	2.69	IS 1206 (Part II) -1978 Reaffirmed 2004
b	Ductility at 27° C · cm	44	IS 1208 -1978 Reaffirmed 2004

(Manoj Kumar)
Transportation Engineering Laboratory
Department of Civil Engineering
IIT Kanpur

(Saurabh Srivastava)
Transportation Engineering Laboratory
Department of Civil Engineering
IIT Kanpur