



**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, 8<sup>th</sup> 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-30)**

S.no	Name of the test	Test value	Method of test
1	Penetration @ 25° C	61	IS 1203 -1978 Reaffirmed 2004
2	Absolute Viscosity @ 60° C, Poises	3361.68	IS 1206 (Part II) -1978 Reaffirmed 2004
3	Kinematic viscosity @ 135° C, cSt	604.80	IS 1206 (Part III) -1978 Reaffirmed 2004
4	Flash Point ° C	279	IS 1448 (P: 69) : 2013
5	Solubility in trichloroethylene, percent by mass	99.57	IS 1216 -1978 Reaffirmed 2004
6	Softening Point ° C	53	IS 1205 -1978 Reaffirmed 2004
7	Test on residue from rolling thin film oven test:		
a	Viscosity Ratio @ 60° C	2.97	IS 1206 (Part II) -1978 Reaffirmed 2004
b	Ductility at 27° C · cm	49	IS 1208 -1978 Reaffirmed 2004

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