

Test No	Description	Automotive Diesel Fuel SANS 342	Bio Diesel SANS 1935 (Typical Tests)	ULP (Petrol) SANS 1596 (Typical Tests)	Heavy Fuel Oils SANS 1461 (Typical Tests Performed)	Heat Transfer Fluids (Typical Tests Performed)	Coal Tar Fuel (Typical Tests)	Tested In - House / Sub-contracted	Standard Used at WearCheck	Work Instruction used at WearCheck
1	Acidity		x			x		Inhouse	ASTM D974	S8w04
2	Aromatic Solvents							SubContract		Cannot Do
3	Ash Content				x		x	SubContract	ASTM D482	Cannot Do
4	Bacterial & Fungal Growth							Inhouse		F8w08
5	Biodiesel %		x					Inhouse	SANS 1935	08w70
6	Cetane Index (Calculated from Dens & Distillation)	x						Calculated	ASTM D976	
7	Cetane Number (Measure single Cylinder Engine)									Cannot Do
8	Chlorine Content							SubContract		F8w17
9	Cold filter plugging point.							SubContract		Cannot Do
10	Colour and Appearance - Visual Test	x	x	x				Inhouse		F8w06
11	Conradson Carbon Residue					x		Inhouse	ASTM D189	S8w46
12	Copper Strip Corrosion							Inhouse	ASTM D130	F8w14
13	Density at 15 °C	x	x	x				Inhouse	ASTM D7042	F8w01
14	Density at 20 °C	x	x	x	x	x		Inhouse	ASTM D7042	F8w01
15	Density at 40 °C	x	x	x	x	x	x	Inhouse	ASTM D7042	F8w01
16	Distillation	x	x	x				Inhouse	ASTM D86	F8w02
17	Fire Point COC					x		Inhouse	ASTM D92	S7w48
18	Flashpoint COC					x		Inhouse	ASTM D92	S7w48
19	Flashpoint PMCC	x	x	x	x	x	x	Inhouse	ASTM D93	F8w03
20	Gross Calorific Value				x		x	SubContract	ASTM D4868	Cannot Do
21	HFRR lubricity							SubContract		Cannot Do
22	ICP				x	x		Inhouse	ASTM D5185	08w67
23	Illuminating Paraffine contamination Qualitative							Inhouse		F8w45
24	Illuminating Paraffine contamination Quantitative							SubContract		Cannot Do
25	Kinematic Viscosity at 100 °C				x	x		Inhouse	ASTM D7042	F8w01
26	Kinematic Viscosity at 100 °C (Grease)				x	x		Inhouse	ASTM D7279	08w13
27	Kinematic Viscosity at 40 °C	x	x		x	x	x	Inhouse	ASTM D7042	F8w01
28	Kinematic Viscosity at 40 °C (Grease)	x	x		x	x	x	Inhouse	ASTM D7279	08w13
29	Kinematic Viscosity at 40 °C				x	x		Inhouse	ASTM D7042	F8w01
30	Kinematic Viscosity at 50 °C (Grease)				x	x		SubContract	ASTM D445	Cannot Do
31	Kinematic Viscosity at 90 °C						x	Inhouse	ASTM D7042	F8w01
32	Kinematic Viscosity at 90 °C (Grease)						x	SubContract	ASTM D445	Cannot Do
34	Lead Content			x				Inhouse	ASTM D5185	08w67
34	Micro carbon residue 10%							SubContract		Cannot Do
35	Nett Calorific Value				x			SubContract		Calculated
36	Oxidation stability							SubContract		Cannot Do
37	Particle Count	x				x		Inhouse	ASTM D7619 ISO 4406	F8w46
38	Pentane Insolubles					x		Inhouse	ASTM D4055	S8w47
39	Pour point				x		x	SubContract	ASDM D97	Cannot Do
40	Silver Corrosion							Inhouse		F8w15
41	Sulphur Content	x	x		x	x	x	Inhouse	ASTM D4294	F8w17
42	Total Contamination (IP 440)	x	x					Inhouse	SANS 52662	F8w04
43	Viscosity Index					x		Calculated	ASTM D2270	
44	Water Content (Dissolved)	x	x		x	x	x	Inhouse	ASTM D6304	S8w19
45	Water Content (Free)	x	x		x	x	x	Inhouse	Water Cylinders	F8w06

