OIL ANALYSIS		
Item No.	**Test**	**Method**
1	**USED OIL**	
1.01	Water content	ASTM D 6304
1.02	Color	ASTM D 1500
1.03	Flash Point (PMCC)	ASTM D 92
1.04	Density @ 15°C	ASTM D 1298
Wear Metals and Additive Metals		
1.05	Iron	ICP-OES
1.06	Chromium	ICP-OES
1.07	Nickel	ICP-OES
1.08	Aluminium	ICP-OES
1.09	Copper	ICP-OES
1.10	Lead	ICP-OES
1.11	Tin	ICP-OES
1.12	Cadmium	ICP-OES
1.13	Silver	ICP-OES
1.14	Vanadium	ICP-OES
1.15	Titanium	ICP-OES
1.16	Molybdenum	ICP-OES
1.17	Antimony	ICP-OES
1.18	Manganese	ICP-OES
1.19	Lithium	ICP-OES
1.20	Boron	ICP-OES
1.21	Magnesium	ICP-OES
1.22	Calcium	ICP-OES
1.23	Barium	ICP-OES
1.24	Phosphorous	ICP-OES
2	**LUBRICANT OIL**	
2.01	Total Acid Number	ASTM D664 Method-A, Automatic Titration
2.02	Base Number	ASTM D4739 (Automatic)
2.03	Water Content	ASTM D 6304
2.04	Viscosity (Kinematic) @40 6C	ASTM D6304
2.05	Appearance	visual
2.06	Flash Point	ASTM D 92
2.07	Free Chlorides	Potentiometric titration
2.08	Pentane Insoluble	In- house method
2.09	Particle size	ISO 4406&NAS-1638

Item No.	Test	Method
3	**DIESEL**	
3.01	Water content	ASTM D 1533
3.02	Viscosity (Kinematic) @ 40°C	ASTM D 445
4	**TRANSFORMER OIL**	
4.01	Moisture content (Water content)	ASTM D 1533/IEC 60814
4.02	Viscosity	ASTM D 445-12
4.03	Flash Point	ASTM D 92&D93
4.04	Total Acid number	ASTM D974/IEC 62021
4.05	Total Base number	ASTM D 4739
4.06	Power Dissipation Factor	ASTM D 924/IEC60247:2004
4.07	Breakdown Voltage	ASTM D1816/IEC 60156
4.08	Interfacial Tension	ASTM D 971
4.09	Color	Visual
4.10	Dissolved Gas	ASTM D 3612-1/IEC 60567
4.11	Furans	ASTM D 5837/IEC 61198
4.12	PCBs	ASTM D 4059/IEC61619/EN 12766-3
4.13	Particle size	ISO 4406 &NAS 1638
4.14	Corrosive Sulfur	ASTM D 1275-36,B
4.15	Wear Metals and Additive Metals	ICP OES