		238, Rai Bahadur Roa	Sun Oil Company Pvt. Ltd., Department of Testing Laboratory, 238, Rai Bahadur Road, Kolkata, West Bengal			
Accreditation Standard Discipline Certificate Number Last Amended on		rd ISO/IEC 17025: 2005	ISO/IEC 17025: 2005			
		Chemical Testing	I	Issue Date 13.06.20		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatic against which tests are performed		e of Testing s of Detection	
I. LU	BRICANTS					
1.	Lubes	Appearance	SOCPL/SOP/01, Issue date: 04.11.2013	Qualit	ative	
		Colour	SOCPL/SOP/01, Issue date: 04.11.2013	Qualit	ative	
		Colour	IS 1448 (Part-12)-1967 Reaffirmed 2008	0 to 8.	0 Unit	
		Density	IS 1448 (Part-16)-1990, Reaffirmed 2007	0.650	to 1.1500 g/ml	
		Flash Point (COC)	IS 1448 (Part-69)-1969 Reaffirmed 2008	50 to 4	400°C	
		Flash Point (PMCC)	IS 1448 (Part-21)-1992 Reaffirmed 2012	40 to 3	800°C	
		K. Viscosity a. 40°C b. 60° C c. 100°C	IS 1448 (Part-25)-1976 Reaffirmed 2007 Rev-3, 2012	50 to 1	5000 cSt .00 cSt 500 cSt	
		Viscosity Index	IS 1448 (Part-56)-2004 Reaffirmed 2008 Rev-3, 2012	20 to 2	200	
		Total Acid No.	ASTM D 974 - 2012		o 200.0 F KOH/gm)/ pp	

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Aniline Point	IS 1448 (Part-3)-2007	40 to 130°C
		Copper Strip Corrosion	IS 1448 (Part-15)-2004 Reaffirmed 2010	1a to 4c Rating
		Pour Point	IS 1448 (Part-10)-1970 Reaffirmed 2008 Rev-2, 2013	+36°C to -48°C
		Ash Content	IS 1448 (Part-4)-2007	0.01 to 10% by mass
		Emulsion Test	IS 1448 (Part-98)-1981 Reaffirmed 2008	0.1 ml and above
		Foaming Test	IS 1448 (Part-67)-1982 Reaffirmed 2010	0 to 400 ml
		Saponification Value	IS 1448 (Part-55/Sec: 1)-2004 Reaffirmed 2010	0.1 to 400 mg of KOH/g of the oil
2.	Speciallity Products	ERBP	IS 8654-2001 Reaffirmed 2011	120 to 260°C
		pH Value	IS 8654-2001 Appendix – A Reaffirmed 2011 (Electrometrically Method)	0.1 to 14

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Greases	Appearance	Visual	Qualitative
		Colour	Visual	Qualitative
		Consistency: Penetration at 25°C		
		Worked 60X	IS 1448 (Part-60)-1994 Reaffirmed 2010	35 to 475
		Worked 10,000X	Reammed 2010	35 to 475
		Worked 10,0000X		60 to 500
		Copper Corrosion @ 100°C/24 hrs Rating	IS 1448 (Part-51)-1963 Reaffirmed 2008 Rev-3, 2010	1a to 4c
		Drop Point	IS 1448 (Part-52)-1971 Reaffirmed 2007	40°C to 288°C