



## LABORATORY REPORT

Date Reported: 05-08-2024

ReportNo:240805

Sample received from : Globe Oil Lubricant Trading on 05-08-2024  
Sample submitted as : PHENOL ( C B F S )  
Description on label : None  
Seal on sample : None

The above sample (s) was/were analyzed as detailed below and the following results obtained

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Test	Method	Unit	RMG Spec ISO 8217-10	Result
*Ash Content	ISO 6245	% m	Max 0.100	0.597
*Pour Point	ISO 3016	°C	Max 30	-9
Micro Carbon Residue	ISO 10370	% m	Max 18.0	4.76
*Flash Point	ISO 2719	°C	Min 60	87
*Density @ 15°C	ISO 12185	kg/l	Max 0.991	1.08
*Sulphur Content	ISO 8754	% m	Max 0.50	0.495
*Viscosity, Kinematic @ 50°C	ISO 3104	mm <sup>2</sup> /s	Max 380.0	48.14
*Water Content	ISO 3733	% V/V	Max 0.50	0.20
Aluminum + Silicon	IP 501	mg/kg	Max 60	<15
Sodium	IP 501	mg/kg	Max 100	158
Vanadium	IP 501	mg/kg	Max 350	1
Zinc	IP 501	mg/kg	*	<1
Phosphorus	IP 501	mg/kg	*	<1
Calcium	IP 501	mg/kg	*	<3
Total Acid Number	ASTM D664	mgKOH/g	Max 2.5	3.78
Hydrogen Sulphide	IP 570	mg/kg	Max 2	0.49
<b>Chemical Species in Marine Fuel Oil</b>				
1-butanol	ASTM D7845	ppm	-	<10
Cyclohexanol			-	<10
Di butyl ether			-	<10
n-butyl acrylate			-	<10
Styrene			-	<10
d-l-a pinene			-	<10
Phenol			-	<20
Alpha methyl Styrene			-	<10
(-) beta pinene			-	<10

ReportNo:240805

4-methyl styrene	ASTM D7845	ppm	-	<10
Trans-b-methyl styrene			-	<10
2-methyl styrene			-	<10
3-methyl styrene			-	<10
R-limonene			-	<10
Dicyclo pentadiene			-	<10
Indene			-	<20
1-phenylethanol			-	<20
Alpha-4-dimethyl styrene			-	<20
2,4-dimethyl styrene			-	<20
2,5-dimethyl styrene			-	<20
2-phenyl ethanol			-	<20
2-ethyl phenol			-	<50
2,4-dimethyl phenol			-	<20
4-ethyl phenol			-	<20
3-ethyl phenol			-	<20
2-phenoxy ethanol			-	<50
4-iso propyl phenol			-	<50
2-phenoxy propanol			-	<50
1-phenoxy-2-propanol			-	<20
Styrene Glycol	-	<50		

The above test results are only applicable to the sample(s) referred above  
Date Tested:05-08-2024

  


