



Saybolt
A CORE LABORATORIES COMPANY

FAST TO THE POINT.

Report no. : 19701/00049291
Date :
Vessel :
Location : SGS Laboratory, Mersin
Grade : Fuel Oil

NON - SAYBOLT LABORATORY ATTENDANCE
LABORATORY TEST RECORD

NOTE: ONLY ONE SAMPLE PER WORK SHEET

Main object	
Product	Fuel Oil
Sample type	n/a
Marked as	Sample from ships tank
Sample date	14/11/2019
Seal number	15603-15604 / 21746 (retain sample)
Submitted by	KIB-TEK
Sample size	2658

Laboratory name/address:	SGS Laboratory / Mersin, Tukey
Name of Supervisor	
Saybolt representative	Hasan Canbular
Other witnesses	n/a

TESTS PERFORMED

	Test	Method	Unit	Result	Specification
1	Density at 15 °C	ASTM D 1298	kg/l	0.9894	0.997 max
2	Kinematic Viscosity at 100°C	ASTM D 445	mm ² /s	28.50	12.5-50
3	Sulphur (S)	ASTM D 4294	mass %	0.97	1.0 max
4	Flash point	ASTM D 93-B	°C	91	65 min
5	Pour point	ASTM D 97	°C	-3	28 max
6	Carbon Residue Micro	ASTM D 4530	mass %	12.2	15 max
7	Ash Content	ASTM D 482	mass %	0.05	0.1 max
8	Water by distillation	ASTM D 95	vol %	0.40	0.5 max.
9	Total Sediment Potential	IP 390	mass %	0.06	0.1 max
10	Sodium (Na)	IP 470	mg/kg	43	50 max
11	Vanadium (V)	IP 470	mg/kg	37	185 max
12	Calcium (Ca)	IP 470	mg/kg	19	30 max
13	Zinc (Zn)	IP 470	mg/kg	<2	15 max



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	Test	Method	Unit	Result	Specification
14	Aluminum plus Silicon	IP 470	mg/kg	45	50 max
15	Phosphorous Content	IP 501	ppm	10	15 max
16	Asphaltane	IP 143	%wt	5.8	7 max
17	Aluminium Content	IP 470	mg/kg	20	
18	Silicon Content	IP 470	mg/kg	25	
19	Stability	ASTM D 4740-94		1	no 1 max
20	Compatibility	ASTM D 4740		1	no 1 max
21	Sediment by Hot Filtration	IP 375	%wt	0.08	0.1 max
22	Sediment by Extraction	ASTM D 473	%wt	On progress	0.15 max
23	Calorific Value Net	ASTM D 4868	Mj/kg	40.5	40.46 min
Observed only and without responsibility for results			Laboratory Supervisor:  		
Saybolt Representative: Hasan Canbular 					
Attendance from : 20.11.2019 / 16:30 (Date/Time) to : 22.11.2019 /12:00 (Date/Time)					
LIMITATION OF LIABILITY					
<p>THE WITNESSING OF THIS ANALYSIS EXECUTED IN A THIRD PARTY LABORATORY IS DONE SO AGAINST THIS PROTOCOL AGREED WITH OUR PRINCIPALS. IN NO WAY IS THIS PROTOCOL TO BE CONSTRUED AS SAYBOLT ACCEPTING RESPONSIBILITY FOR THE ACCURACY OF THE RESULTS. WHICH REMAIN THE SOLE RESPONSIBILITY OF THE EXECUTING LABORATORY.</p> <p>THE RESPONSIBILITY OF SAYBOLT IS LIMITED TO A SAYBOLT REPRESENTATIVE ATTENDING DURING THE TESTING AND ASCERTAINING THAT IN OUR OPINION, THE TESTS ARE CARRIED OUT ON THE CORRECT SAMPLE, ALL APPARATUS, INSTRUMENTATION AND MEASURING DEVICES ARE ASSUMED TO BE IN CALIBRATION AND GOOD WORKING ORDER. REAGENTS AND STANDARDS ARE ACCEPTED AS UTILIZED. THE LABORATORY'S TECHNICIANS ARE ASSUMED QUALIFIED IT IS SAYBOLT'S POLICY TO DISCOURAGE "WITNESSING" OF TESTING AND RECOMMENDS THE RESOURCES OF SAYBOLT'S OWN LABORATORIES</p> <p>UNCERTAINTIES, AVAILABLE ON REQUEST, APPLY IN THE EVALUATION OF THE TEST RESULTS WHERE AVAILABLE AND FOR CONVENIENCE PURPOSES, THE TESTED SAMPLE HAS BEEN CHECKED FOR COMPLIANCE WITH SUPPLIED SPECIFICATIONS, WITHOUT ACCEPTING ANY LIABILITY IN CASE OF DISPUTE OR CONCERN, WE REFER TO THE INTERPRETATION OF TEST RESULTS AS DEFINED IN ASTM D3244 IP 367 ISO 4259 OR GOST 33701</p>					