

Report Status

DIAGOMAR PLUS

NORMAL

Lubmarine

Vessel Name XIN BIN HAI
Company FLEET MANAGEMENT LTD
Unit Name MAIN ENGINE 1
Unit ID LM02260001
Description DIESEL 2-STROKE
Make MAN B&W
Model 6S70MC-C

Oil Type ATLANTA MARINE D 3005
Analysis No 7302620
Reported 01-NOV-21
Affiliate LUBMARINE-HK
Lab Shanghai

Symptoms	Lubricant condition is Normal.
Comments	Resample at normal interval.

DATA

		NORMAL	NORMAL	NORMAL	NORMAL
Sample No		5661899	5661900	4800105	5307187
Date Sampled		07/07/2021	07/07/2021	07/10/2021	07/10/2021
Date Received		16/07/2021	16/07/2021	27/10/2021	27/10/2021
Port Landed		JINGTANG	JINGTANG	BAYUQUAN	BAYUQUAN
Oil on Label		ATLANTA MARINE D 3005	ATLANTA MARINE D 3005	ATLANTA MARINE D 3005	ATLANTA MARINE D 3005
Purifier/Filter		Before	After	Before	After
Equipment Life	Hrs	68579	68579	69844	69844
Oil Life	Hrs	36372	36372	37637	37637
Top up Volume					

ANALYSIS

Visco @40°C	mm2/s	102.80	103.70	104.20	100.70
Visco @100°C	mm2/s	11.88	11.93	12.08	11.88
Viscosity Index		104	104	106	107
Insolubles	%	0.1	0.1	0.2	0.1
Flashpoint 180°C		PASS	PASS	PASS	PASS
Water Content	%mass	0.15	0.00	0.07	0.07
BN D2896	mg KOH/g	9.9	9.7	10.1	9.9
PQ-index		14	14	14	14

SPECTRO ANALYSIS

WEAR ELEMENTS

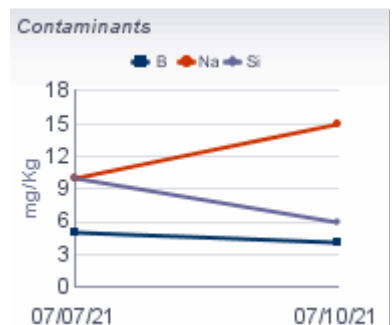
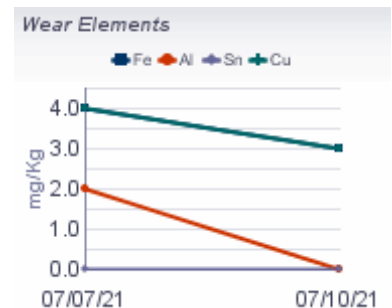
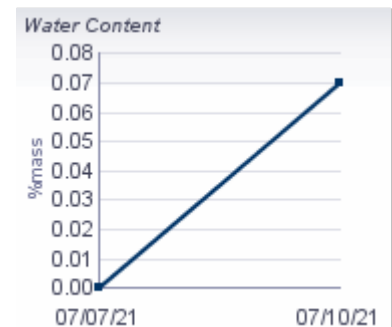
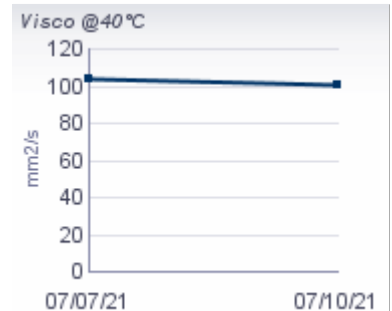
Iron	(Fe)	5	4	5	3
Chromium	(Cr)	0	0	0	0
Molybdenum	(Mo)	1	2	0	0
Copper	(Cu)	5	4	5	3
Lead	(Pb)	4	0	1	0
Silver	(Ag)	0	0	0	0
Tin	(Sn)	0	0	0	0
Aluminium	(Al)	2	2	0	0

CONTAMINANTS

Nickel	(Ni)	3	2	3	2
Vanadium	(V)	1	0	1	0
Silicon	(Si-T)	12	10	8	6
Boron	(B)	7	5	5	4
Sodium	(Na)	14	10	19	15
Magnesium	(Mg)	20	19	20	19

OTHER METALS

Phosphorus	(P)	491	496	492	513
Zinc	(Zn)	598	613	613	643
Barium	(Ba)	0	0	0	0
Calcium	(Ca)	3964	3814	3991	3704



Values with *: Red and Bold = URGENT / blue and Italic = CAUTION

The validity of symptoms and comments is depending on the representativity of the sample. Comments are advisory only.