

## 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** 7302619  
**Reported** 01-NOV-21  
**Affiliate** LUBMARINE-HK  
**Lab** Shanghai

<b>Symptoms</b>	Lubricant condition is Normal.
<b>Comments</b>	Resample at normal interval.

## DATA

		NORMAL	NORMAL	NORMAL	NORMAL
Sample No		4800100	5661899	5661900	4800105
Date Sampled		14/04/2021	07/07/2021	07/07/2021	07/10/2021
Date Received		27/04/2021	16/07/2021	16/07/2021	27/10/2021
Port Landed		SINGAPORE	JINGTANG	JINGTANG	BAYUQUAN
Oil on Label		ATLANTA MARINE D 3005	ATLANTA MARINE D 3005	ATLANTA MARINE D 3005	ATLANTA MARINE D 3005
Purifier/Filter		After	Before	After	Before
Equipment Life	Hrs	66928	68579	68579	69844
Oil Life	Hrs	34721	36372	36372	37637
Top up Volume					

## ANALYSIS

Visco @40°C	mm2/s	103.00	102.80	103.70	104.20
Visco @100°C	mm2/s	11.52	11.88	11.93	12.08
Viscosity Index		98	104	104	106
Insolubles	%	0.1	0.1	0.1	0.2
Flashpoint 180°C		PASS	PASS	PASS	PASS
Water Content	%mass	0.00	0.15	0.00	0.07
BN D2896	mg KOH/g	10.8	9.9	9.7	10.1
PQ-index		7	14	14	14

## SPECTRO ANALYSIS

## WEAR ELEMENTS

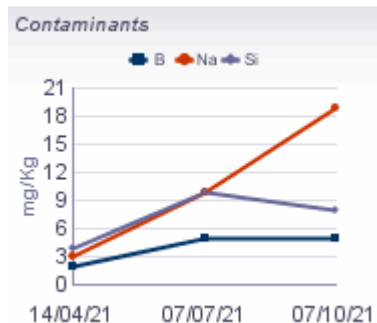
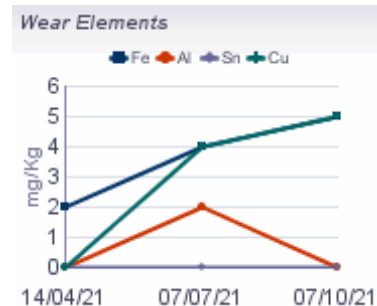
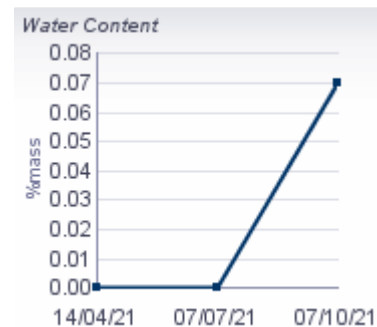
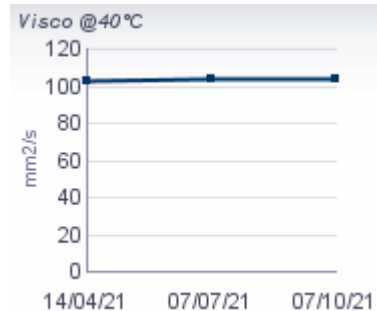
Iron	(Fe)	2	5	4	5
Chromium	(Cr)	0	0	0	0
Molybdenum	(Mo)	0	1	2	0
Copper	(Cu)	0	5	4	5
Lead	(Pb)	0	4	0	1
Silver	(Ag)	0	0	0	0
Tin	(Sn)	0	0	0	0
Aluminium	(Al)	0	2	2	0

## CONTAMINANTS

Nickel	(Ni)	0	3	2	3
Vanadium	(V)	0	1	0	1
Silicon	(Si-T)	4	12	10	8
Boron	(B)	2	7	5	5
Sodium	(Na)	3	14	10	19
Magnesium	(Mg)	23	20	19	20

## OTHER METALS

Phosphorus	(P)	510	491	496	492
Zinc	(Zn)	561	598	613	613
Barium	(Ba)	4	0	0	0
Calcium	(Ca)	3277	3964	3814	3991



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.