

Report Status

DIAGOMAR PLUS

NORMAL

Lubmarine

Vessel Name XIN BIN HAI
Company FLEET MANAGEMENT LTD
Unit Name DIESEL GENERATOR 3
Unit ID LM02260053
Description DIESEL 4-STROKE
Make DAIHATSU
Model 6DK-20

Oil Type AURELIA TI 3020
Analysis No 7302623
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		5307172	4800103	5661903	5661915
Date Sampled		24/01/2021	14/04/2021	07/07/2021	07/10/2021
Date Received		28/01/2021	27/04/2021	16/07/2021	27/10/2021
Port Landed		YANTAI	SINGAPORE	JINGTANG	BAYUQUAN
Oil on Label		AURELIA TI 3020	AURELIA TI 3020	AURELIA TI 3020	AURELIA TI 3020
Purifier/Filter		N.A.	N.A.	N.A.	N.A.
Equipment Life	Hrs	37775	38916	39593	40869
Oil Life	Hrs	2965	4106	310	1334
Top up Volume			900		

ANALYSIS

Visco @40°C	mm2/s	108.00	109.10	105.90	107.80
Visco @100°C	mm2/s	12.06	12.32	12.61	12.32
Viscosity Index		101	104	112	105
Insolubles	%	0.2	0.2	0.1	0.2
Flashpoint 180°C		PASS	PASS	PASS	PASS
Water Content	%mass	0.00	0.00	0.00	0.00
BN D2896	mg KOH/g	20.1	20.6	20.3	19.9
PQ-index		14	7	14	12

SPECTRO ANALYSIS

WEAR ELEMENTS

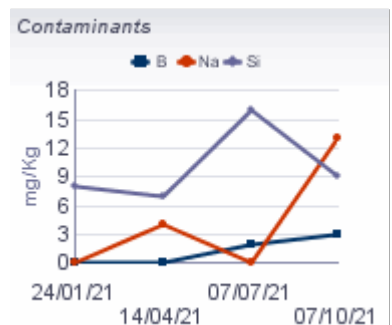
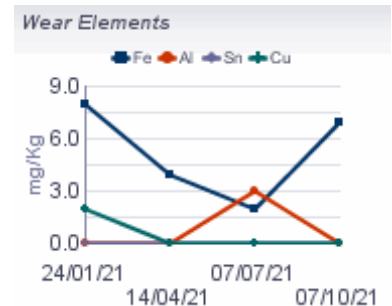
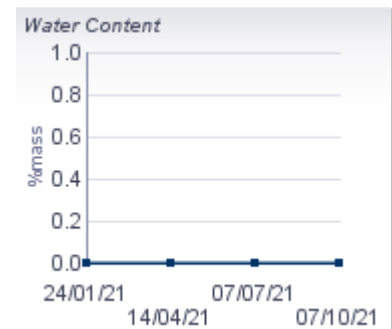
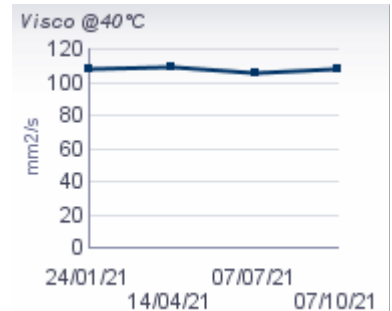
Iron	(Fe)	8	4	2	7
Chromium	(Cr)	0	0	0	0
Molybdenum	(Mo)	3	0	4	2
Copper	(Cu)	2	0	0	0
Lead	(Pb)	0	0	0	2
Silver	(Ag)	0	0	0	0
Tin	(Sn)	0	0	0	0
Aluminium	(Al)	0	0	3	0

CONTAMINANTS

Nickel	(Ni)	11	4	3	11
Vanadium	(V)	2	2	0	2
Silicon	(Si-T)	8	7	16	9
Boron	(B)	0	0	2	3
Sodium	(Na)	0	4	0	13
Magnesium	(Mg)	26	28	24	25

OTHER METALS

Phosphorus	(P)	242	235	233	235
Zinc	(Zn)	344	274	316	305
Barium	(Ba)	0	4	0	0
Calcium	(Ca)	8131	7124	7809	7867



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.