

Report Status

DIAGOMAR PLUS

NORMAL

Lubmarine

Vessel Name XIN BIN HAI
Company FLEET MANAGEMENT LTD
Unit Name DIESEL GENERATOR 1
Unit ID LM02260051
Description DIESEL 4-STROKE
Make DAIHATSU
Model 6DK-20

Oil Type AURELIA TI 3020
Analysis No 7302621
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		5307174	4800101	5661901	5307188
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	38665	39544	40595	41459
Oil Life	Hrs	888	1767	2818	25
Top up Volume			900		

ANALYSIS

Visco @40°C	mm2/s	107.80	108.30	108.80	106.30
Visco @100°C	mm2/s	11.93	12.25	12.85	12.08
Viscosity Index		99	102	112	103
Insolubles	%	0.1	0.2	0.1	0.1
Flashpoint 180°C		PASS	PASS	PASS	PASS
Water Content	%mass	0.00	0.00	0.00	0.00
BN D2896	mg KOH/g	20.2	19.9	19.9	20.8
PQ-index		16	8	14	12

SPECTRO ANALYSIS

WEAR ELEMENTS

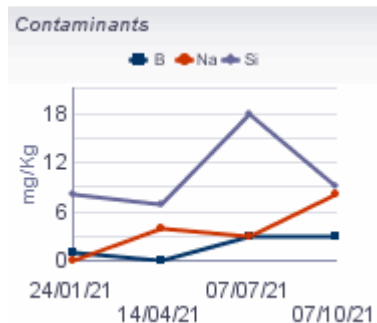
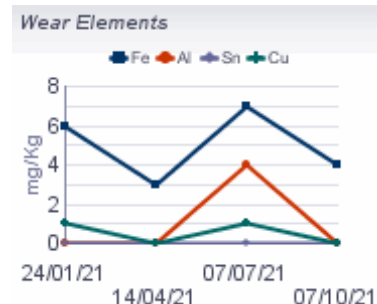
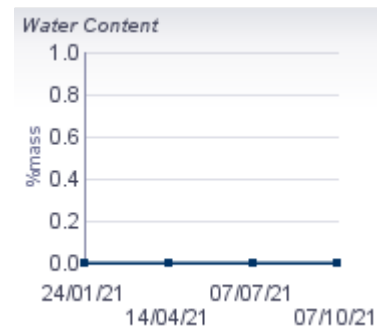
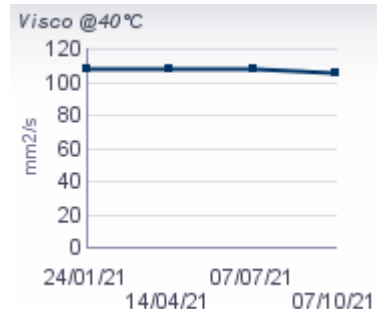
Iron	(Fe)	6	3	7	4
Chromium	(Cr)	0	0	0	0
Molybdenum	(Mo)	2	0	2	1
Copper	(Cu)	1	0	1	0
Lead	(Pb)	0	0	3	4
Silver	(Ag)	0	0	0	0
Tin	(Sn)	0	0	0	0
Aluminium	(Al)	0	0	4	0

CONTAMINANTS

Nickel	(Ni)	8	3	10	4
Vanadium	(V)	1	2	4	0
Silicon	(Si-T)	8	7	18	9
Boron	(B)	1	0	3	3
Sodium	(Na)	0	4	3	8
Magnesium	(Mg)	26	30	24	24

OTHER METALS

Phosphorus	(P)	238	240	233	235
Zinc	(Zn)	342	270	321	307
Barium	(Ba)	0	4	0	0
Calcium	(Ca)	7991	7097	7805	7779



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.