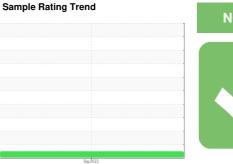


OIL ANALYSIS REPORT









CATERPILLAR RH BEYMER

Component **Starboard Genset**

KENDALL SUPER-D XA 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

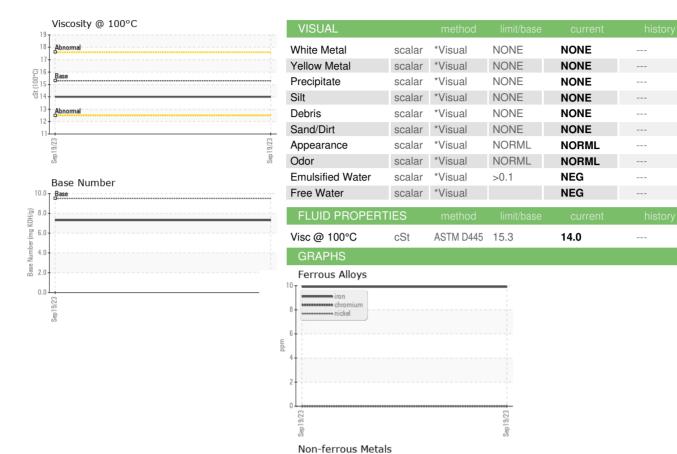
Fluid Condition

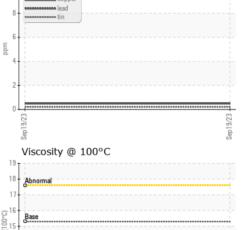
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

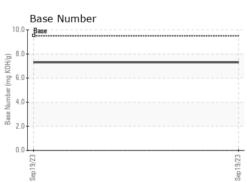
A 15W40 (GA	L)			Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843985		
Sample Date		Client Info		19 Sep 2023		
Machine Age	hrs	Client Info		17187		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
-uel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	10		
Chromium	ppm	ASTM D5185m	>4	0		
Nickel	ppm	ASTM D5185m	>2	0		
Fitanium	ppm	ASTM D5185m		33		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>12	<1		
_ead	ppm	ASTM D5185m	>17	<1		
Copper	ppm	ASTM D5185m	>70	<1		
 Γin	ppm	ASTM D5185m	>15	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	49		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		36		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	270	212		
Calcium	ppm	ASTM D5185m	1900	2311		
Phosphorus	ppm	ASTM D5185m	1000	982		
Zinc	ppm	ASTM D5185m	1260	1276		
Sulfur	ppm	ASTM D5185m	3400	3813		
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	10.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1		
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	7.3		
,						



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: WC0843985 : 05965930 : 10672481

₹ 14

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 02 Oct 2023 Diagnosed : 03 Oct 2023 : Don Baldridge Diagnostician

SUPERIOR MARINE 201 KELLY LANE CHESAPEAKE, OH US 45619

Contact: DARRELL KEARNS darrellkearns@superiormarineinc.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: SUPCHEOH [WUSCAR] 05965930 (Generated: 10/03/2023 12:09:30) Rev: 1