

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TWIN DISC STEPHEN T

Component **Starboard Gearbox**

KENDALL SUPER-D 3 SAE 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

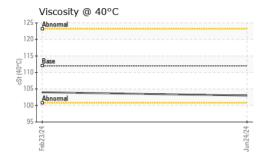
Fluid Condition

The condition of the oil is acceptable for the time in service.

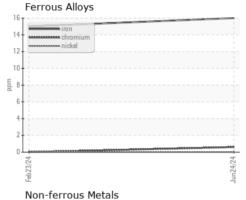
			Feb 2024	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HRE0000264	WC0843965	
Sample Date		Client Info		24 Jun 2024	23 Feb 2024	
Machine Age	hrs	Client Info		23861	21084	
Dil Age	hrs	Client Info		1000	1000	
Oil Changed	0	Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	16	15	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
itanium	ppm	ASTM D5185m		12	9	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	<1	
_ead	ppm	ASTM D5185m	>50	_ <1	<1	
Copper	ppm		>200	8	8	
Fin		ASTM D5185m	>10	<1	<1	
/anadium	ppm	ASTM D5185m	>10	<1	<1	
	ppm					
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		35	31	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		45	48	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		481	504	
Calcium	ppm	ASTM D5185m		1967	1800	
Phosphorus	ppm	ASTM D5185m		1052	988	
Zinc	ppm	ASTM D5185m	1450	1170	1084	
Sulfur	ppm	ASTM D5185m		6037	7279	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	3	
Sodium	ppm	ASTM D5185m		3	5	
Potassium	ppm	ASTM D5185m	>20	2	1	
VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE	NONE	
ellow Metal	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual	NONE	NONE	NONE	
Precipitate			NONE	NONE	NONE	
<u>'</u>	scalar	*Visual	INOINE		11011	
Silt	scalar scalar	*Visual	NONE	LIGHT	NONE	
Silt Debris						
Silt Debris Sand/Dirt	scalar	*Visual	NONE	LIGHT	NONE	
Precipitate Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML	LIGHT NONE NORML	NONE NONE NORML	
Silt Debris Sand/Dirt Appearance	scalar scalar	*Visual *Visual	NONE NONE	LIGHT NONE	NONE NONE	

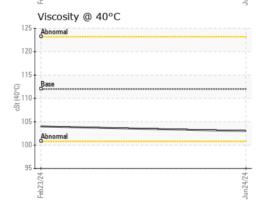


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FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	112	103	104	
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
						-







Certificate 12367

Sample No. : HRE0000264 Lab Number : 06234123 Unique Number : 11122957 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jul 2024 Tested : 12 Jul 2024

Diagnosed : 14 Jul 2024 - Don Baldridge

US 45619 Contact: DARRELL KEARNS darrellkearns@superiormarineinc.com

SUPERIOR MARINE

201 KELLY LANE

CHESAPEAKE, OH

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] 06234123 (Generated: 07/14/2024 11:16:12) Rev: 1

Contact/Location: DARRELL KEARNS - SUPCHEOH

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