

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CUMMINS CAPTAIN JEFF IRBY

Component Port 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

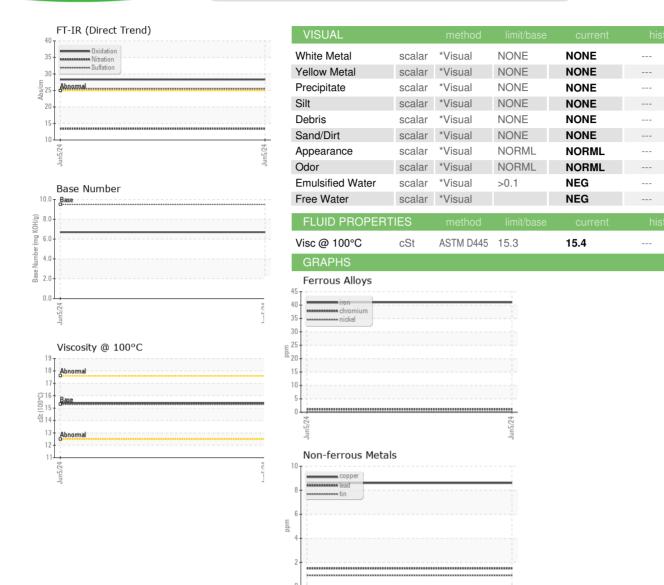
Fluid Condition

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

				Jun2024		
				JUNZ024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HRE0000275		
Sample Date		Client Info		05 Jun 2024		
Machine Age	hrs	Client Info		6207		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.1	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	41		
Chromium	ppm	ASTM D5185m	>4	1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		53		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>12	3		
Lead	ppm	ASTM D5185m	>17	2		
Copper	ppm	ASTM D5185m	>70	9		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	66		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		11		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	270	416		
Calcium	ppm	ASTM D5185m	1900	1815		
Phosphorus	ppm	ASTM D5185m	1000	807		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1260 3400	1094 3414		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon				8		
Sodium	ppm	ASTM D5185m ASTM D5185m	>25	26		
Potassium	ppm	ASTM D5185m	>20	9		
	PP'''					
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot % Nitration	% Abs/cm	*ASTM D7844 *ASTM D7624	>20	0.4 13.4		
Sulfation		*ASTM D7624		13.4 25.5		
	Abs/.1mm		>30			
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.3		
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	6.7		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: HRE0000275 Lab Number : 06203832 Unique Number : 11071293 Test Package : FLEET

()-001! ₹ 14

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 **Tested** : 12 Jun 2024

: 12 Jun 2024 - Angela Borella Diagnosed

US 45619 Contact: DARRELL KEARNS

darrellkearns@superiormarineinc.com T:

Contact/Location: DARRELL KEARNS - SUPCHEOH

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Viscosity @ 100°C

Base Number

(mg K0H/g)

0.0

Report Id: SUPCHEOH [WUSCAR] 06203832 (Generated: 06/12/2024 12:19:26) Rev: 1

F:

SUPERIOR MARINE

201 KELLY LANE

CHESAPEAKE, OH