

McCarthy`s Fisheries Ltd Machine Id COMMMERCIAL FISHING MV Executioner 2 Genset

SHELL ROTELLA T 15W40 (22 LTR)

Basample at the next service interval to monitor. (Customer Sample Comment: 1,900 hrs since rebuild) Sample Date Client Info 11 Apr 2024 15 Sep 2023 Machine Age hrs Client Info 1900 248633 Oil Age hrs Client Info 1900 248633 Oil Age hrs Client Info 672 204 Oil Age hrs Client Info 672 204 Oil Age hrs Client Info Not Changd Changed Sample Status NORMAL NORMAL NORMAL Normon ppm ASTM DB18/m 50 15 14 Normon ppm ASTM DB18/m >4 0 Normon ppm ASTM DB18/m >50 15 14 Normon ppm ASTM DB18/m >4 0 All component wear rates are normal. incle	SHELL ROTELLA T 15W40 (22 LTR)							
Sample Date Client Info 11 Apr 2024 15 Sep 2023 Machine Age hrs Client Info 1900 24863 Oil Age hrs Client Info 672 204 Oil Age hrs Client Info 672 204 Oil Changed Client Info 672 204 Oil Changed Client Info 672 204 Oil Changed Client Info 672 204 Sample Status V Not Changed Changed NEAR Nort Mass NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL All component wear rates are normal. PQ ASTM DB150m 50 15 14 Nickel ppm ASTM DB150m 50 0 1 All component wear rates are normal. Pron ASTM DB150m 50 0 -1	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Comment: 1,900 hrs since rebuild) Sample Date Client Info I1 Apr 2024 15 Sep 2003 Nachine Age hrs Client Info I 1900 24863 Oil Age hrs Client Info I 970 204 Filter Age hrs Client Info I 672 204 Oil Changed rs Client Info I Not Changed Sample Status Client Info Not Not Not Not Not Sample Status V ASTM DB18/r Not Not Not Not VEAR PO ASTM DB18/r Not Not Not Not PO STM DB18/r Not Not Not Not pm ASTM DB18/r Not Not Not Not Not pm ASTM DB18/r >-0 Not Not Not Not Not pm AST	Resample at the next service interval to monitor. (Customer Sample Comment: 1,900 hrs since rebuild)	Sample Number		Client Info		OF0000964	OF0000306	
Oil Age hrs Client Info 672 204 Filter Age hrs Client Info 672 204 Oil Changed Client Info 672 204 Oil Changed Client Info Not Change Changed Filter Changed Client Info Not Change Changed VEAR NorMAL NORMAL NORMAL All component wear rates are normal. PO ASTM D8164 0 Trianium ppm ASTM D8165 > 0 Nickel ppm ASTM D8165 >-4 0 Trianium ppm ASTM D8165 >-4 0 Aluminum ppm ASTM D8165 >1 0 Copper ppm ASTM D8165 >1 0 Vanadium ppm ASTM D8165		Sample Date		Client Info		11 Apr 2024	15 Sep 2023	
Filter Age hrs Cilent Info 672 204 Oil Changed Client Info Not Changed Changed Changed Filter Changed Client Info Not Changed Changed Sample Status NORMAL NORMAL NEAR PQ ASTM D518/m 550 15 14 All component wear rates are normal. Ifon ppm ASTM D518/m 0 0 Nickel ppm ASTM D518/m 0 0 Silver ppm ASTM D518/m 0 0 Aluminum ppm ASTM D518/m 0 0 Aluminum ppm ASTM D518/m -10 0 Vanadium ppm ASTM D518/m -10 0 Copper pm ASTM D518/m -10		Machine Age	hrs	Client Info		1900	24863	
Oil Changed Client Info Ive Changed Changed Ive Changed Filter Changed Client Info No Changed NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL PO ASTM D8194/- 0 0.0 Normal ppm ASTM D8195(m) >-0 1.4 All component wear rates are normal. PO ASTM D8195(m) >-0 0.0 Nickel ppm ASTM D8195(m) >-0 0.0 Nickel ppm ASTM D8195(m) >-0 0.0 Silver ppm ASTM D8195(m) >1 0.0 Aluminum ppm ASTM D8195(m) >1 0 0 Copper ppm ASTM D8195(m) >1 0 Trin<		Oil Age	hrs	Client Info		672	204	
Filter Changed Sample Status Client Info Ive Not Changed NORMAL Ive VEAR PQ ASTM D8164// Iron pm ASTM D8166// SMD 500 14 All component wear rates are normal. PQ ASTM D8166// VICKE 500 14 Nickel ppm ASTM D8166// ASTM D8166// VICKE 0 Nickel ppm ASTM D8166// ASTM D8166// VICKE 0 Nickel ppm ASTM D8166// VICKE 0 Silver ppm ASTM D8166// VICKE 0 Silver ppm ASTM D8166// VICKE 0 Silver ppm ASTM D8168// VICKE 0 Silver ppm ASTM D8168// VICKE		Filter Age	hrs	Client Info		672	204	
NORMA NORMA </td <th>Oil Changed</th> <td></td> <td>Client Info</td> <td></td> <th>Not Changd</th> <td>Changed</td> <td></td>		Oil Changed		Client Info		Not Changd	Changed	
PQ ASTM D8184// 0 0 Id component wear rates are normal. Iron ppm ASTM D8186// >50 15 14 Chronium ppm ASTM D8186// >4 0 <1		Filter Changed		Client Info		Not Changd	Changed	
Iron ppm ASTM 05(65)m >50 15 14 Chromium ppm ASTM 05(65)m >4 00 <-1 Nickel ppm ASTM 05(65)m >2 <1 0 Nickel ppm ASTM 05(65)m >2 <1 0 Titanium ppm ASTM 05(65)m >5 0 < All uminum ppm ASTM 05(65)m >1 0 < Lead ppm ASTM 05(65)m >1 0 < Copper ppm ASTM 05(65)m >1 0 < Tin ppm ASTM 05(65)m >1 0 < Copper ppm ASTM 05(65)m		Sample Status				NORMAL	NORMAL	
Number of the desired notifical. Chromium ppm ASTM D5186/m >44 0 <1 $$ Nickel ppm ASTM D5186/m >22 <1 0 $<$ Titanium ppm ASTM D5186/m >22 <1 0 $<$ Silver ppm ASTM D5186/m >55 0 <1 $<$ Aluminum ppm ASTM D5186/m >12 1 3 $$ Lead ppm ASTM D5186/m >17 0 2 $$ Copper ppm ASTM D5186/m >17 0 2 $$ Copper ppm ASTM D5186/m >15 0 <1 $ Contramination in the oil. Silicon ppm ASTM D5186/m >20 5 0 $	WEAR	PQ		ASTM D8184*		0	0	
Nickel ppm ASTM D5185(m) >2 <1 0 Titanium ppm ASTM D5185(m) >0 <1	All component wear rates are normal.	Iron	ppm	ASTM D5185(m)	>50	15	14	
Titanium ppm ASTM D5185(m) C 0 0 Silver ppm ASTM D5185(m) >5 0 -<1		Chromium	ppm	ASTM D5185(m)	>4	0	<1	
Silver pp ASTM D5185m >5 0 <1 Aluminum pp ASTM D5185m >12 1 3 Lead ppm ASTM D5185m >17 0 2 Copper ppm ASTM D5185m >70 2 19 Copper ppm ASTM D5185m >15 0 <1		Nickel	ppm	ASTM D5185(m)	>2	<1	0	
Aluminum ppm ASTM D5185(m) >12 1 3 Lead ppm ASTM D5185(m) >17 0 2 Copper ppm ASTM D5185(m) >70 2 19 Tin ppm ASTM D5185(m) >15 0 <1		Titanium	ppm	()		0	0	
Lead ppm ASTM D5185(m) >17 0 2 Copper ppm ASTM D5185(m) >70 2 19 Tin ppm ASTM D5185(m) >15 0 <1		Silver	ppm	ASTM D5185(m)	>5	0	<1	
Note Note <th< td=""><th>Aluminum</th><td>ppm</td><td>ASTM D5185(m)</td><td>>12</td><th>1</th><td>3</td><td></td></th<>		Aluminum	ppm	ASTM D5185(m)	>12	1	3	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		Lead	ppm	ASTM D5185(m)	>17	0	2	
VanadiumppmASTM D5185(m)00CONTAMINATIONSiliconppmASTM D5185(m)>2553PotassiumppmASTM D5185(m)>2050FuelWC Method>4.0<1.0		Copper	ppm	ASTM D5185(m)	>70	2	19	
Silicon ppm ASTM D5185(m) >25 5 3 Potassium ppm ASTM D5185(m) >20 5 0 Potassium ppm ASTM D5185(m) >20 5 0 Fuel WC Method >4.0 <1.0		Tin	ppm	ASTM D5185(m)	>15			
Potassium ppm ASTM D5185(m) >20 5 0 Fuel WC Method >4.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0		Vanadium	ppm	ASTM D5185(m)		0	0	
Fuel WC Method >4.0 <1.0	CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>25	5	3	
Fuel WC Method >4.0 <1.0	There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185(m)	>20	5	0	
Glycol WC Method NEG NEG Soot % % ASTM D7844* 0.1 0 Nitration Abs/cm ASTM D7624* >20 6.6 8.9 Sulfation Abs/.1mm ASTM D7615* >30 20.6 20.5 Emulsified Water scalar Visual* >0.1 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185(m) 50 6.6 2.0 Boron ppm ASTM D5185(m) 35 120 102 Barium ppm ASTM D5185(m) 0 0 <1		Fuel		WC Method	>4.0	<1.0	<1.0	
Soot % % ASTM D7844* 0 0.1 0 Nitration Abs/cm ASTM D7624* >20 6.6 8.9 Sulfation Abs/.1mm ASTM D7624* >30 20.6 20.5 Sulfation Abs/.1mm ASTM D7614* >30 20.6 20.5 Emulsified Water scalar Visual* >0.1 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185(m) 6 2 Boron ppm ASTM D5185(m) 35 120 102 Barium ppm ASTM D5185(m) 0 0 <1		Water		WC Method	>0.1	NEG	NEG	
Nitration Abs/cm ASTM D7624* >20 6.6 8.9 Sulfation Abs/.tm ASTM D7624* >30 20.6 20.5 Emulsified Water scalar Visual* >0.1 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185(m) 35 120 102 Boron ppm ASTM D5185(m) 0 0 <10		Glycol		WC Method		NEG	NEG	
Sulfation Abs/.1mm ASTM D7415* >30 20.6 20.5 Emulsified Water scalar Visual* >0.1 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185(m) 35 120 102 The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service. Boron ppm ASTM D5185(m) 35 120 102 Barium ppm ASTM D5185(m) 0 0 <1		Soot %	%	ASTM D7844*		0.1	0	
Emulsified Wate scalar Visual* >0.1 NEG NEG FLUID CONDITION Sodium ppm ASTM D5185(m) 6 2 The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service. Boron ppm ASTM D5185(m) 35 120 102 Barium ppm ASTM D5185(m) 0 <1		Nitration	Abs/cm	ASTM D7624*	>20	6.6	8.9	
FLUID CONDITION Sodium ppm ASTM D5185(m) 6 2 The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service. Boron ppm ASTM D5185(m) 35 120 102 Barium ppm ASTM D5185(m) 0 0 <1		Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	20.5	
Boron ppm ASTM D5185(m) 35 120 102 Barium ppm ASTM D5185(m) 0 <1		Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	
oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185(m) 0 0 <1	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.	Sodium	ppm	ASTM D5185(m)		6	2	
oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185(m) 0 0 <1		Boron	ppm	ASTM D5185(m)	35	120	102	
Molybdenum ppm ASTM D5185(m) 0 <1 29		Barium	ppm	ASTM D5185(m)	0	0	<1	
		Molybdenum	ppm	ASTM D5185(m)	0	<1	29	

Manganese

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

Oxidation

Base Number (BN)

Visc @ 100°C

ppm

ppm

ppm

ppm

ppm

ppm

cSt

Abs/.1mm

ASTM D5185(m)

ASTM D5185(m)

ASTM D5185(m)

mg KOH/g ASTM D2896* 10.1

ASTM D5185(m) 10

ASTM D5185(m) 1110

ASTM D5185(m) 3890

ASTM D7414* >25

ASTM D7279(m) 15.7

0

2340

1210

14.6 14.2 ---Submitted By: BILL BUTLER

0

13

2191

1013

1203

3053

15.7

6.59

<1

14

2143

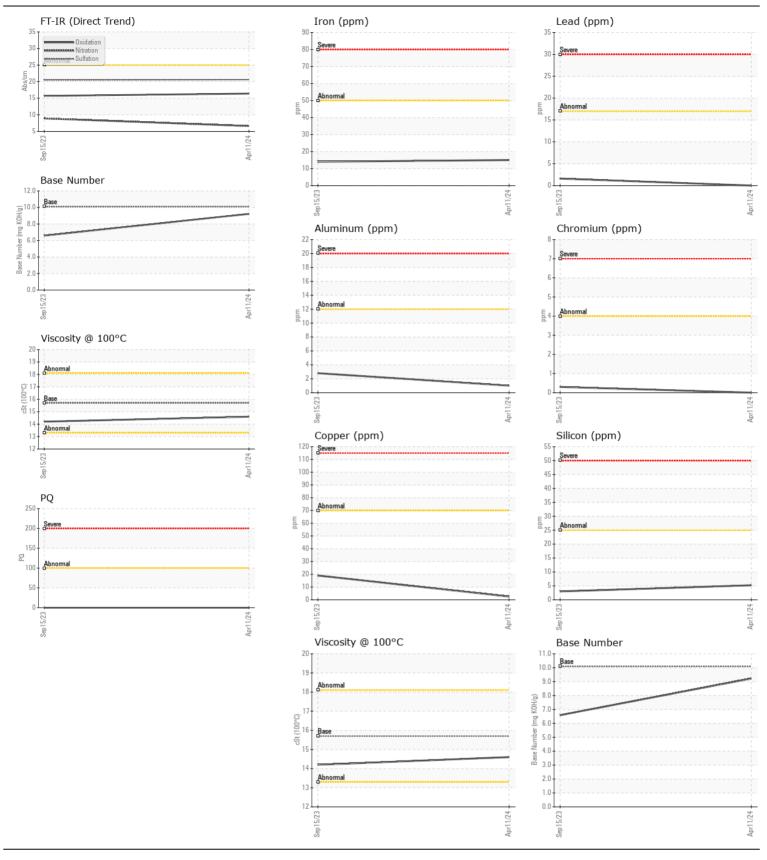
903

1092

2764

16.4

9.22



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Oil Filtration Solutions Ltd.** CALA Sample No. Received PO BOX 16125 : OF0000964 : 18 Apr 2024 F Lab Number : 02630050 Tested CONCEPTION BAY SOUTH, NL : 19 Apr 2024 ISO 17025:2017 Accredited Laboratory : 19 Apr 2024 - Kevin Marson CA A1X 2E2 Unique Number : 5763182 Diagnosed Test Package : MOB 2 (Additional Tests: PQ) Contact: BILL BUTLER BBUTLER@OILFILTRATIONSOLUTIONS.COM To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (709)834-8433 Validity of results and interpretation are based on the sample and information as supplied. F: (709)834-8435

Submitted By: BILL BUTLER Page 2 of 2