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#### 783 783

### **Right Final Drive**

#### SHELL SPIRAX HD 85W140 (1 GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0939227	WCMCF50892	WCMCF16813
	Sample Date		Client Info		24 May 2024	04 May 2018	29 Jan 2016
	Machine Age	hrs	Client Info		3226	2240	2699
	Oil Age	hrs	Client Info		1366	2240	582
	Filter Age	hrs	Client Info		1366	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Not Changd	N/A	N/A
	Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR				. 500	0.4	20	00
All component wear rates are normal.	Iron	ppm	ASTM D5185m		34	38	80
	Chromium Nickel	ppm	ASTM D5185m		<1	1	
		ppm	ASTM D5185m	>10	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	05	0	2	0
	Aluminum	ppm	ASTM D5185m		0	<1	<1
	Lead	ppm	ASTM D5185m	>25	<1	1	1
	Copper	ppm	ASTM D5185m		27	18	28
	Tin	ppm	ASTM D5185m	>10	0	<1	<1
	Vanadium	ppm	ASTM D5185m	NONE	<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	2	3	3
	Potassium	ppm	ASTM D5185m	>20	<1	3	4
There is a moderate amount of particulates present in the oil.	Water		WC Method	>0.2	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>20000	9108	▲ 319742	
	Particles >6µm		ASTM D7647	>5000	4962	▲ 84652	
	Particles >14µm		ASTM D7647	>640	844	<b>1</b> 346	
	Particles >21µm		ASTM D7647	>160	284	<b>1</b> 87	
	Particles >38µm		ASTM D7647	>40	44	4	
	Particles >71µm		ASTM D7647	>10	4	0	
	<b>Oil Cleanliness</b>		ISO 4406 (c)	>21/19/16	0/19/17	▲ 25/24/18	
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	LIGHT	VLITE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		6	5	9
T LOID CONDITION	Boron	ppm	ASTM D5185m		159	141	9
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	<1	<1
	Molybdenum	ppm	ASTM D5185m		3	3	0
	Manganese	ppm	ASTM D5185m		1	2	3
	Magnesium	ppm	ASTM D5185m		37	38	19
	Calcium	ppm	ASTM D5185m		37 117	122	134
	Phosphorus	ppm	ASTM D5185m		1009	731	291
	Zinc	ppm	ASTM D5185m		144	121	89
	Sulfur	ppm	ASTM D5185m		27981	12433	12591
	Sullui	ppm	AGTIM D3103III		21901	12400	12001

Visc @ 40°C

cSt

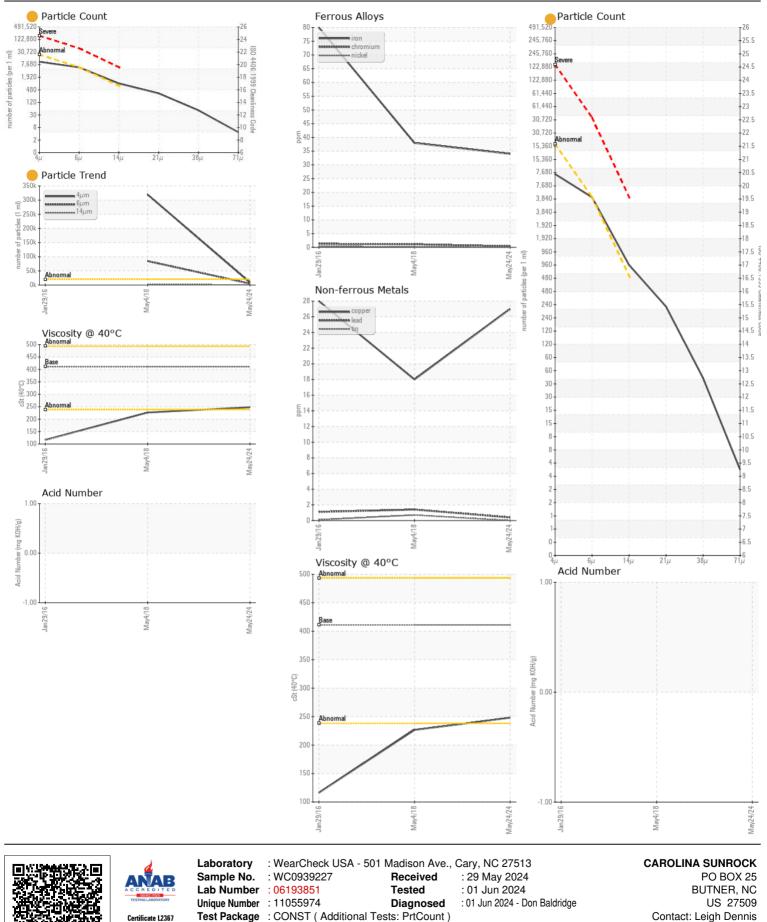
ASTM D445 411

226.5

116.4

248

## WEAR NORMAL CONTAMINATION ATTENTION FLUID CONDITION NORMAL



To discuss this sample report, contact Customer Service at 1-800-237-1369. rdennis@thesunrockgroup.com \* - 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)

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