

WEAR CONTAMINATION **FLUID CONDITION** **ATTENTION SEVERE NORMAL**

Mobile Fleet 339 339

Right Outer Final Drive

SHELL SPIRAX S6 AXME 75W	/90 (2 GAL)						
RECOMMENDATION We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0939223	WC0630595	WC0434085
	Sample Date	la con	Client Info		24 May 2024	10 Nov 2021	03 Feb 2020
	Machine Age	hrs	Client Info		10366	9451	8269
	Oil Age	hrs	Client Info		928	1182	1104
	Filter Age	hrs	Client Info		928	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Not Changd SEVERE	N/A	Not Change
	Sample Status				SEVERE	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185m		722	<u>▲</u> 877	560
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		7	<u> </u>	7
	Nickel	ppm	ASTM D5185m	>10	2	1	2
	Titanium	ppm	ASTM D5185m		4	6	5
	Silver	ppm	ASTM D5185m		0	<1	4
	Aluminum	ppm	ASTM D5185m		<u> </u>	174	133
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m		2	1	2
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	▲ 314	4 37	△ 360
	Potassium	ppm	ASTM D5185m	>20	9	28	22
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina- silicate (coarse dirt) ingress. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.	Water	%	ASTM D6304	>0.075	△ 0.273		△ 0.197
	ppm Water	ppm	ASTM D6304	>750	2730		<u></u> 1970
	Particles >4µm		ASTM D7647	>640000	33094	8782	
	Particles >6μm		ASTM D7647	>80000	18028	4784	
	Particles >14μm		ASTM D7647		3068	814	
	Particles >21μm		ASTM D7647		1033	274	
	Particles >38μm		ASTM D7647		160	42	
	Particles >71μm		ASTM D7647		16	4	
	Oil Cleanliness		ISO 4406 (c)	>26/23/20	22/21/19	20/19/17	
	Silt	scalar	*Visual	NONE	NONE	NONE	▲ HEAVY
	Debris	scalar	*Visual	NONE	▲ MODER	NONE	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	>0.075	<u> </u>	NEG	<u> </u>
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	19	27	23
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		304	312	326
	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		5	9	6
	Manganese	ppm	ASTM D5185m		7	9	5
	Magnesium	ppm	ASTM D5185m		62	60	61
	Calcium	ppm	ASTM D5185m		137	120	221
	Phosphorus	ppm	ASTM D5185m		1504	1366	1377
	Zinc	ppm	ASTM D5185m		77	82	65
	Sulfur	ppm	ASTM D5185m		29744	21954	20563
	Visc @ 40°C	cSt.	ASTM DAAS	100	106	105	101

Visc @ 40°C

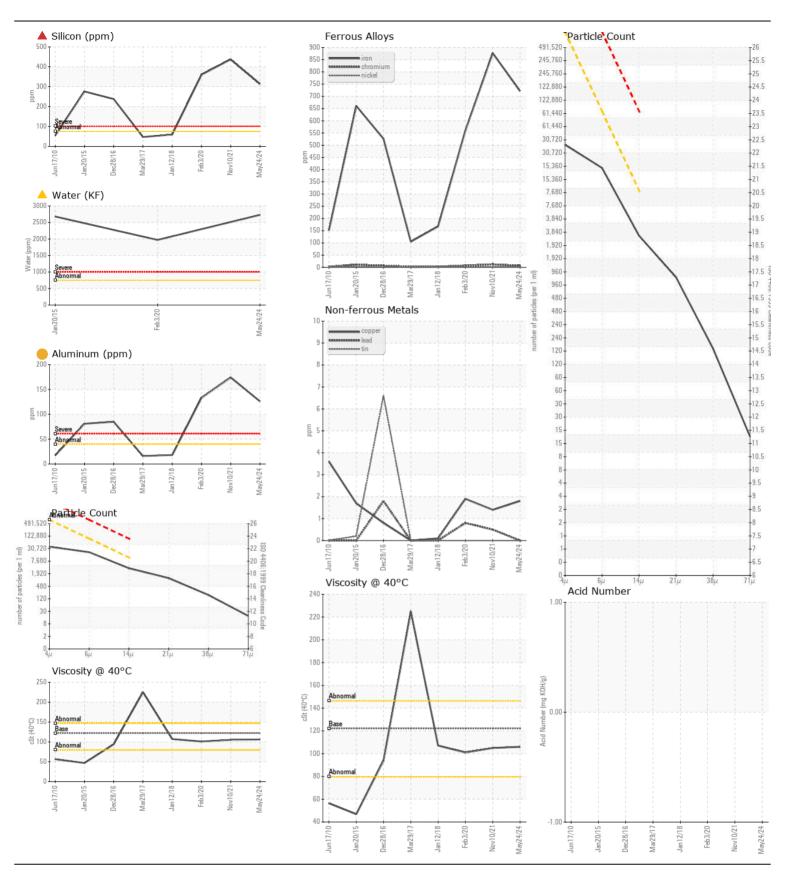
cSt

105

106

ASTM D445 122

101





Certificate L2367

Laboratory Sample No. Lab Number

Unique Number: 11055972

: WC0939223 : 06193849

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

: 29 May 2024 Diagnosed Test Package : CONST (Additional Tests: KF, PrtCount)

: 01 Jun 2024 : 01 Jun 2024 - Don Baldridge

PO BOX 25 BUTNER, NC US 27509 Contact: Leigh Dennis rdennis@thesunrockgroup.com

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)

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CAROLINA SUNROCK