WEAR CONTAMINATION FLUID CONDITION **ABNORMAL SEVERE NORMAL**

EPIROC T35 JPS22SED2703

Component Left Final Drive

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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. We recommend an early resample to monitor this condition.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0197601	JR0190862	JR018161
	Sample Date		Client Info		15 Jan 2024	30 Oct 2023	27 Jul 202
	Machine Age	hrs	Client Info		2047	1737	1151
	Oil Age	hrs	Client Info		1461	500	1151
	Filter Age	hrs	Client Info		0	500	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		None	Not Changd	N/A
	Sample Status				SEVERE	ABNORMAL	SEVERE
VEAR	PQ		ASTM D8184		676	360	<u></u> 981
Gear wear is indicated.	Iron	ppm	ASTM D5185m	>500	1084	<u></u> 853	<u>^</u> 2096
	Chromium	ppm	ASTM D5185m	>10	<u>▲</u> 11	8	<u>^</u> 21
	Nickel	ppm	ASTM D5185m	>10	3	2	1 0
	Titanium	ppm	ASTM D5185m		6	5	1 9
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	▲ 57	▲ 52	189
	Lead	ppm	ASTM D5185m	>25	0	0	0
	Copper	ppm	ASTM D5185m	>50	1	<1	2
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	MODER	MODE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	289	<u> </u>	886
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m	>20	14	12	40
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>170	10	9	35
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m	400	15	13	81
	Barium	ppm	ASTM D5185m	200	0	5	20
	Molybdenum	ppm	ASTM D5185m	12	12	10	43
	Manganese	ppm	ASTM D5185m		25	21	73
	Magnesium	ppm	ASTM D5185m	12	0	5	11
	Calcium	ppm	ASTM D5185m		9	78	15
	Phosphorus	ppm	ASTM D5185m		443	438	529
	Zinc	ppm	ASTM D5185m		45	73	84
	Sulfur	ppm	ASTM D5185m	22500	17128	16176	18090

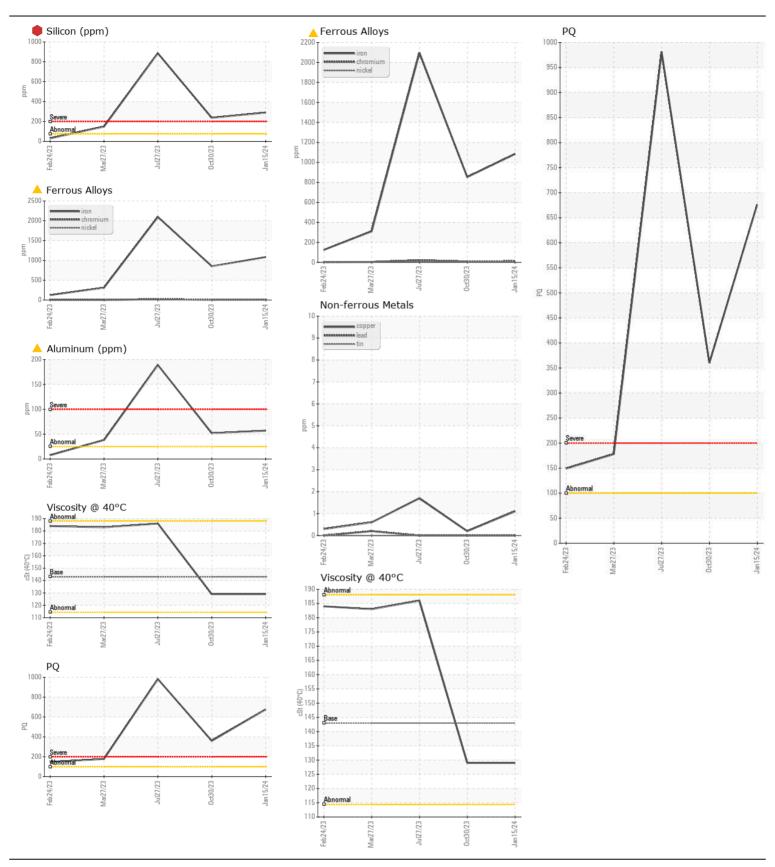
Visc @ 40°C

cSt

129

ASTM D445 143

186





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 10834391

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0197601 : 06063009

Recieved : 17 Jan 2024 : 18 Jan 2024 Diagnosed : Sean Felton Diagnostician

Test Package : CONST (Additional Tests: PQ) 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)

CAROLINA CIVIL PO BOX 80337

RALEIGH, NC US 27623 Contact:

T: F: