WEAR CONTAMINATION **FLUID CONDITION**

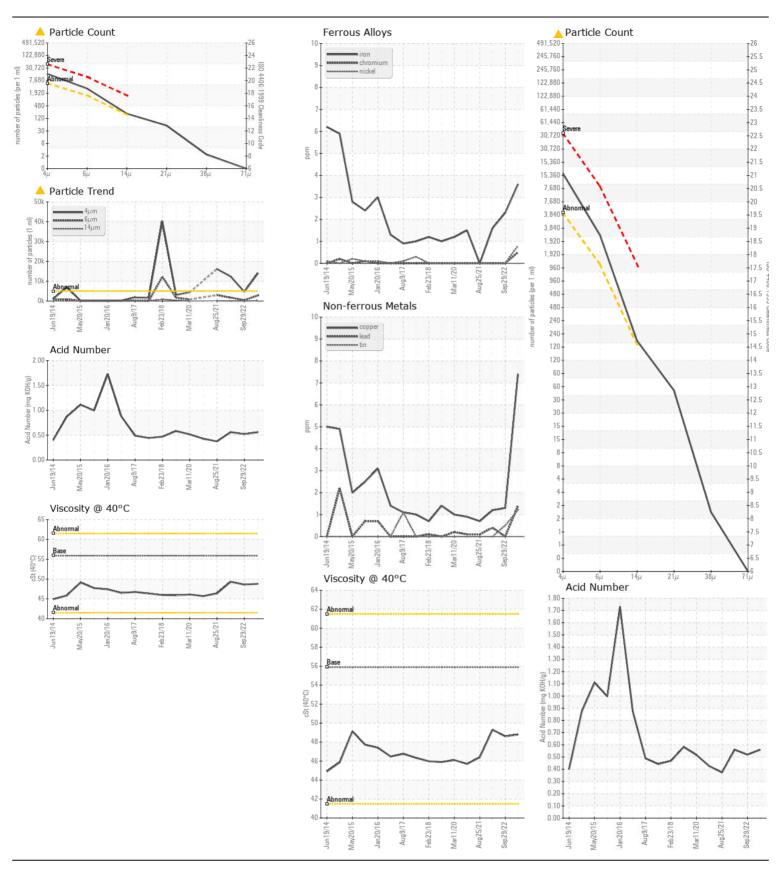
NORMAL **ABNORMAL NORMAL**

Machine Id

ROADTEC 001686

Component Hydraulic System

RECOMMENDATION No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Test	UOM	Method Client Info	Limit/Abn	Current WC0856293	History1 WC0701137	History2 WC0664817
	Sample Number						
	Sample Date		Client Info		28 Mar 2024	'	09 Jun 202
	Machine Age	hrs	Client Info		5105	5005	4665
	Oil Age	hrs	Client Info		440	340	1000
	Filter Age	hrs	Client Info		100	340	500
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>20	4	2	2
	Chromium	ppm	ASTM D5185m	>10	<1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	1
	Aluminum	ppm	ASTM D5185m	>10	1	<1	<1
	Lead	ppm	ASTM D5185m		1	0	<1
	Copper	ppm	ASTM D5185m		7	1	1
	Tin	ppm	ASTM D5185m	>10	1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	1	1	1
	Potassium	ppm	ASTM D5185m	>20	1	0	0
There is a high amount of particulates present in the oil.	Water		WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>5000	<u> </u>	4654	<u>12385</u>
	Particles >6µm		ASTM D7647		<u> </u>	416	1702
	Particles >14μm		ASTM D7647		<u> </u>	10	47
	Particles >21µm		ASTM D7647		<u>48</u>	3	5
	Particles >38μm		ASTM D7647		2	0	0
	Particles >71μm		ASTM D7647		0	0	0
	Oil Cleanliness Silt		ISO 4406 (c)		<u>A</u> 21/19/15	19/16/10	<u>21/18/1</u>
	Debris	scalar	*Visual	NONE	NONE NONE	NONE NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
			v 100a			1420	1120
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	<1
The AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		5	6	7
suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		4	3	3
	Magagium	ppm	ASTM D5185m		<1 21	<1 21	0
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		31 617	31 571	26 605
	Phosphorus	ppm	ASTM D5185m		449	393	393
	Zinc	ppm	ASTM D5185m		449 484	393 465	470
	Sulfur	ppm	ASTM D5185m		1571	1594	1307
	Acid Number (AN)	mg KOH/g	ASTM D3103111		0.56	0.52	0.56
	Visc @ 40°C	cSt	ASTM D445	55.80	48.8	48.6	49.3





Certificate L2367

Laboratory Sample No.

Lab Number

: 06147278 Unique Number: 10977356 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0856293 Received

Tested : 15 Apr 2024 Diagnosed

: 16 Apr 2024 - Don Baldridge

: 12 Apr 2024

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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