OIL ANALYSIS REPORT

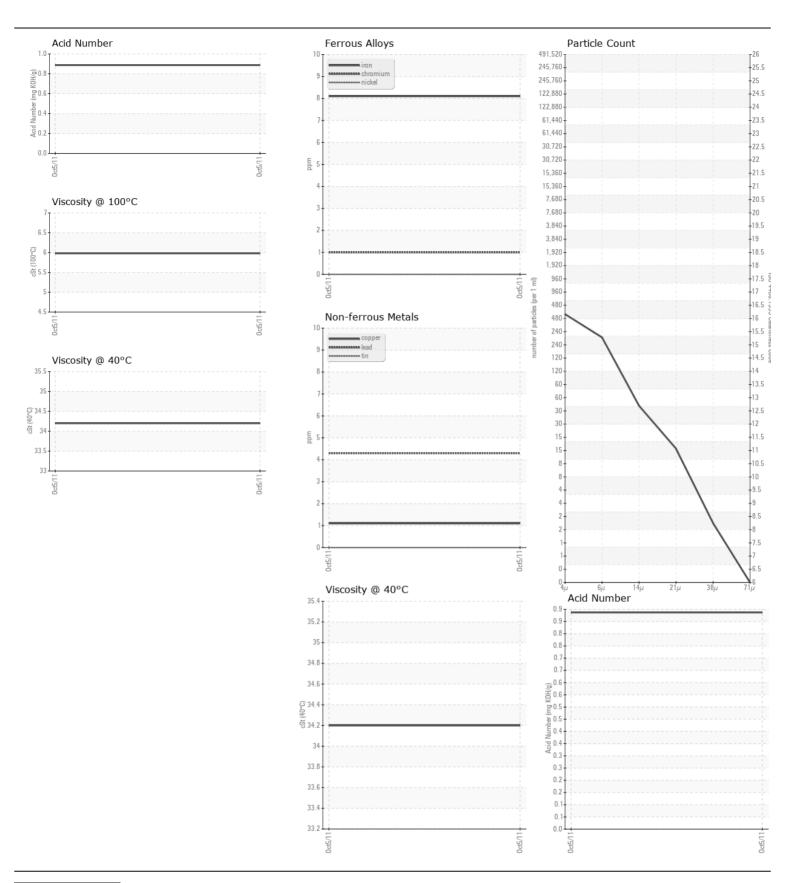
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

Machine Id

NOT GIVEN TR02938691 Component Hydraulic System

TRC HYDRAULIC OIL ISO 32- SAE10W (--- QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR02938691		
	Sample Date	laua	Client Info		05 Oct 2011		
	Machine Age Oil Age	hrs	Client Info		7401		
		hrs	Client Info		0		
	Filter Age Oil Changed	hrs	Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status		Client into		NORMAL		
WEAR	Iron	ppm	ASTM D5185m		8		
All component wear rates are normal	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		<1		
	Lead	ppm	ASTM D5185m		4		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium White Metal	ppm	*Visual	NONE	0 LIGHT		
		scalar					
·	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		2		
	Potassium	ppm	ASTM D5185m		0		
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.	Water		WC Method		NEG		
	Particles >4μm		ASTM D7647		472		
	Particles >6μm		ASTM D7647		257		
	Particles >14μm		ASTM D7647		43		
	Particles >21µm		ASTM D7647		14		
	Particles >38μm		ASTM D7647		2		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness	!	ISO 4406 (c)	NONE	16/15/13		
	Silt	scalar	*Visual	NONE	NONE		
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE		
		scalar	*Visual	NONE	NONE NORML		
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML		
	Emulsified Water		*Visual	NONIVIL	NEG		
	Linuisilled Water	Scalai	visuai				
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1		
The condition of oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		6		
	Calcium	ppm	ASTM D5185m		103		
	Phosphorus	ppm	ASTM D5185m		356		
	Zinc	ppm	ASTM D5185m		474		
	Sulfur	ppm ma KOU/a	ASTM D5185m		2269		
	Acid Number (AN)	0 0	ASTM D8045		0.887		
	Visc @ 40°C	cSt	ASTM D445		34.2		
	Visc @ 100°C	cSt	ASTM D445		5.98		
	Viscosity Index (VI)	Scale	ASTM D2270		120		





Certificate L2367

Laboratory Sample No.

Lab Number : 02938691 Unique Number : 5700249

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR02938691 Received **Tested**

: 06 Oct 2011 : 08 Oct 2011 Diagnosed

: 10 Oct 2011 - Don Baldridge Test Package : MOB 2 (Additional Tests: Bottom, KV100, VI)

QUALITY WOODS 504 E ROCK ST ROCKLAND, WI US 54653

Contact: SERVICE MANAGER

To discuss this sample report, contact Customer Service at 1-800-827-0711. * - 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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