

Machine Id DOOSAN D25S-7 5522 (S/N FDAOV-1930-01137)

Component Hydraulic System

TRC UNIVERSAL TORQUE FLUID (9 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (could be mixed).

WEAR

All component wear rates are normal.

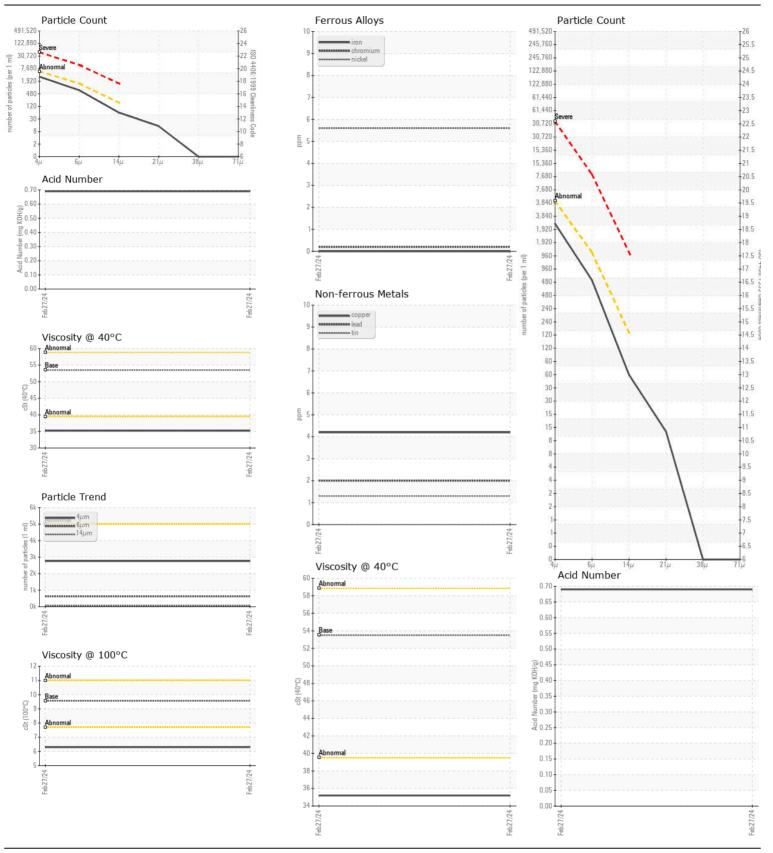
CONTAMINATION

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06103673		
Sample Date		Client Info		27 Feb 2024		
Machine Age	hrs	Client Info		1892		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	6		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	2		
Copper	ppm	ASTM D5185m	>75	4		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>20	1		
Potassium	ppm	ASTM D5185m	>20	<1		
Water		WC Method	>0.1	NEG		
Particles >4µm		ASTM D7647	>5000	2760		
Particles >6µm		ASTM D7647	>1300	629		
Particles >14µm		ASTM D7647	>160	53		
Particles >21µm		ASTM D7647	>40	12		
Particles >38µm		ASTM D7647		0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/13		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium	000	ASTM D5185m		.4		
	ppm			<1 7		
Boron	ppm	ASTM D5185m				
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m ASTM D5185m		0 <1		
Manganese	ppm			2		
Magnesium Calcium	ppm	ASTM D5185m	1200			
	ppm	ASTM D5185m ASTM D5185m	4200 1100	409 556		
Phosphorus	ppm					
Zinc Sulfur	ppm	ASTM D5185m	2000	826		
	ppm	ASTM D5185m		1509		
Acid Number (AN)	mg KOH/g	ASTM D8045	50 F	0.69		
Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445	53.5	35.2		
-		ASTM D445 ASTM D2270	9.55	6.3 120		
Viscosity Index (VI)	Scale	ASTIVI DZZ/U	164	130		



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 TRECO Sample No. : 28 Feb 2024 10906 MONITOR MCKEE RD NE : TR06103673 Received Lab Number : 06103673 : 29 Feb 2024 WOODBURN, OR Tested Unique Number : 10901903 : 01 Mar 2024 - Don Baldridge US 97071 Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI) Contact: JEFF WARREN Certificate L2367 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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: JEFF WARREN - TREWOO

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