OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION **ATTENTION ABNORMAL NORMAL**

Machine Id

DOOSAN 380 10-15 (S/N L3CDY-010041)

Right Final Drive

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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.	Sample Number	OOM	Client Info	LIIIIII/AUII	TR06145342		
	Sample Date		Client Info		29 Mar 2024		
	Machine Age	hrs	Client Info		3390		
	Oil Age	hrs	Client Info		1055		
	Filter Age	hrs	Client Info		0		
	Oil Changed	0	Client Info		Changed		
	Filter Changed		Client Info		Not Change		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m		395		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	8		
	Nickel	ppm	ASTM D5185m	>10	<1		
	Titanium	ppm	ASTM D5185m		3		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m		42		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m	>75	4 84		
	Potassium	ppm	ASTM D5185m		5		
	Water		WC Method		NEG		
	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	>0.2	NEG		
LUID CONDITION	Cadiona		ACTM DE10E	170	•		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		165		
	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0 1		
	Manganese	ppm	ASTM D5185m	12	4		
	Magnesium	ppm	ASTM D5185m	12	6		
	Calcium	ppm	ASTM D5185m		22		
	Phosphorus	ppm	ASTM D5185m		1282		
	Zinc	ppm	ASTM D5185m		14		
	Sulfur	ppm	ASTM D5185m		20852		
	Acid Number (AN)	mg KOH/g	ASTM D8045	2.00	1.56		

Viscosity Index (VI) Scale ASTM D2270 117

ASTM D445 16.0

Visc @ 100°C cSt

134

13.8 98





Certificate L2367

Laboratory Sample No.

Lab Number : 06145342

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR06145342 **Tested**

Unique Number : 10970150 Diagnosed

: 12 Apr 2024 : 14 Apr 2024 - Don Baldridge Test Package : MOB 2 (Additional Tests: KV100, VI)

: 10 Apr 2024

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) **KASKI LOGGING**

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