OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL ABNORMAL**

Machine Id

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

Right Swing Drive

RECOMMENDATION We advise that you check for the source of water entry. 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		TR06145344		
	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		Client Info		Changed		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
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WEAR	Iron	ppm	ASTM D5185m		<u> </u>		
Gear wear is indicated.	Chromium	ppm	ASTM D5185m	>10	<u> </u>		
	Nickel	ppm	ASTM D5185m	>10	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m	>200	50		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Cilioon	nnm	ACTM DE10Em	- EO	40		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	49		
There is a high concentration of water present in the oil.	Potassium	ppm	ASTM D5185m		8		
	Water	%	ASTM D6304	>0.2	0.945		
	ppm Water Silt	ppm	ASTM D6304 *Visual		▲ 9450		
		scalar		NONE	MODER		
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE		
		scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	0.2%		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
	Boron	ppm	ASTM D5185m		3		
The AN level is at the top-end of the recommended limit.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		2		
	Manganese	ppm	ASTM D5185m		12		
	Magnesium	ppm	ASTM D5185m		4		
	Calcium	ppm	ASTM D5185m		123		
	Phosphorus	ppm	ASTM D5185m	1000	2183		
	Zinc	ppm	ASTM D5185m		153		
	Sulfur	ppm	ASTM D5185m	17000	26220		
	Acid Number (AN)		ASTM D8045		▲ 3.07		
	Visc @ 40°C	cSt	ASTM D445	207	143		
	Visc @ 100°C	cSt	ASTM D445	18	14.98		
	-	Scale	ASTM D2270		105		





Certificate L2367

Laboratory Sample No.

Lab Number : 06145344

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR06145344

Received **Tested**

: 10 Apr 2024

: 16 Apr 2024

: 16 Apr 2024 - Jonathan Hester

Unique Number : 10970152 Diagnosed Test Package: MOB 2 (Additional Tests: KF, KV100, VI)

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**

22411 HE CEDAR CREEK RD

AMBOY, WA US 98601

Contact: NATHAN BYRD

T:

Contact/Location: NATHAN BYRD - KASAMB

F: