OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id

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

Diesel Engine

TPC DBC-SDFC V SVN RI FND 15W40 (8 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06145372		
	Sample Date		Client Info		28 Mar 2024		
	Machine Age	hrs	Client Info		3390		
	Oil Age	hrs	Client Info		302		
	Filter Age	hrs	Client Info		302		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>50	4		
YEAR	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	/5	<1		
	Silver	ppm	ASTM D5185m	~3	0		
	Aluminum		ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	>10	0		
	White Metal	ppm	*Visual	NONE	NONE		
	Yellow Metal	scalar		NONE	NONE		
·····	Tellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>15	3		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	26		
	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.1	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	7.8		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9		
	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		
LUID CONDITION	Sodium	nnm	ASTM D5185m		5		
LOID GONDITION	Boron	ppm	ASTM D5185m		6		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		11		
	Manganese		ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		26		
	Calcium	ppm	ASTM D5185m		2393		
		ppm	ASTM D5185m				
	Phosphorus	ppm			1001		
	Zinc	ppm	ASTM D5185m		1075		
	Sulfur	ppm Abo/1mm	ASTM D5185m	. 25	3815		
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414	>25	11.4 6.94		
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Certificate L2367

Laboratory Sample No.

Lab Number : 06145372 Unique Number : 10970180 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR06145372 : 10 Apr 2024 **Tested**

Diagnosed

: 12 Apr 2024 : 12 Apr 2024 - Wes Davis

KASKI LOGGING 22411 HE CEDAR CREEK RD AMBOY, WA

US 98601 Contact: NATHAN BYRD

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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