WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL

Machine Id

GROVE 4301 (S/N 71183)

Component Rear Left Final Drive

DECOMMEND ATION					(_)		
RECOMMENDATION The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		DC0023388		
	Sample Date	In	Client Info		11 Jan 2023		
	Machine Age	hrs	Client Info		5255		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		Ohammad		
	Oil Changed Filter Changed		Client Info		Changed N/A		
	Sample Status		Client inio		ABNORMAL		
<u></u>	Sample Status						
WEAR	Iron	ppm	ASTM D5185m	>500	<u> </u>		
Gear wear is indicated.	Chromium	ppm	ASTM D5185m	>10	3		
	Nickel	ppm	ASTM D5185m	>10	2		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>25	3		
	Lead	ppm	ASTM D5185m	>25	△ 37		
	Copper	ppm	ASTM D5185m	>50	44		
	Tin	ppm	ASTM D5185m	>10	1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	MODER		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	39		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0		
	Water	1-1-	WC Method	>0.2	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		
FLUID CONDITION	Sodium	nnm	ASTM D5185m	×170	32		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		71		
	Barium	ppm	ASTM D5185m		8		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m	1_	21		
	Magnesium	ppm	ASTM D5185m	12	2		
	Calcium	ppm	ASTM D5185m		37		
	Phosphorus	ppm	ASTM D5185m		977		
	Zinc	ppm	ASTM D5185m		16		
	Sulfur	ppm	ASTM D5185m		23394		





Certificate L2367

Laboratory Sample No.

: DC0023388 Lab Number : 05738679 Unique Number: 10293278 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Jan 2023 **Tested** : 16 Jan 2023

: 16 Jan 2023 - Don Baldridge Diagnosed

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

ABERDEEN PROVING GROUND

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