

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ATTENTION



OKLAHOMA/102/TR - BACKHOE LOADER

Machine Id

53.204L [OKLAHOMA^102^TR - BACKHOE LOADER]

Diesel Engine

DECOMMENDATION TO HOME				
RECOMMENDATION Test UOM Me	lethod Limit/Ab	on Current	History1	History2
Sample Number Cli	lient Info	WC0886948		
Oil and filter change at the time of sampling has been noted. Resample Sample Date Cli	lient Info	09 Jan 2024		
at the next service interval to monitor. Machine Age hrs Cli	lient Info	917		
Oil Age hrs Cli	lient Info	250		
	lient Info	250		
Oil Changed Cli	lient Info	Changed		
	lient Info	Changed		
Sample Status		ATTENTION	L	
WEAR Iron ppm ASI	STM D5185m >100	42		
Chromium ppm AST	STM D5185m >20	1		
All component wear rates are normal. Nickel ppm AST	STM D5185m >2	<1		
	STM D5185m >2	<1		
	STM D5185m >2	0		
	STM D5185m >25	5		
	STM D5185m >40	<1		
	STM D5185m >330	7		
	STM D5185m >15	<1		
1!	STM D5185m	0		
	/isual NONI	-		
	/isual NONI			
CONTAMINATION Silicon ppm ASI	STM D5185m >25	15		
Potassium ppm AST	STM D5185m >20	1		
Fuel content negligible. There is no indication of any contamination in Fuel % AS	STM D3524 >5	1.6		
the oil.	C Method >0.2	NEG		
	C Method	NEG		
Soot % % *AS	STM D7844 >3	0.3		
Nitration Abs/cm *AS	STM D7624 >20	7.0		
Sulfation Abs/.1mm *AS	STM D7415 >30	21.1		
Silt scalar *V	/isual NONI	NONE		
Debris scalar *V	/isual NONI	E NONE		
	/isual NONI			
	/isual NORM	L NORML		
	/isual NORM			
Emulsified Water scalar *V	/isual >0.2	NEG		
THUR CONDITION	TIA DE 405			
	STM D5185m	2		
The oil viscosity is lower than normal. The RN result indicates that	STM D5185m	33		
there is suitable alkalinity remaining in the oil Confirm oil type	STM D5185m	0		
Molybdenum ppm AS	STM D5185m	34		
	STM D5185m	9		
	STM D5185m	435		
	STM D5185m	1520		
Calcium ppm AST		863		
Calcium ppm AST Phosphorus ppm AST	STM D5185m			
Calcium ppm ASI Phosphorus ppm ASI Zinc ppm ASI	STM D5185m	1029		
Calcium ppm AST Phosphorus ppm AST Zinc ppm AST Sulfur ppm AST		1029 2618		
Calcium ppm AST Phosphorus ppm AST Zinc ppm AST Sulfur ppm AST Oxidation Abs/.1mm *AST	STM D5185m STM D5185m STM D7414 >25	1029 2618 18.7		
Calcium ppm AST Phosphorus ppm AST Zinc ppm AST Sulfur ppm AST Oxidation Abs/.1mm *AST Base Number (BN) mg KOH/g AST	GTM D5185m GTM D5185m	1029 2618		







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0886948 : 06060883 : 10832265

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

: 16 Jan 2024 : 18 Jan 2024 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

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)

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