

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Store 9 - Marietta Machine Id 5000

Component Left Final Drive

Resample at the next service interval to monitor. Sample Nature Sample Date Client Info 0 3 Jan 2024	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info Machine Age hrs Client Info 500 Oil Age hrs Client Info 500 Filter Age hrs Client Info 500 Filter Changed Client Info Changed		Sample Number		Client Info				
Dil Age hrs Client Info 0		Sample Date		Client Info		03 Jan 2024		
Filter Age		Machine Age	hrs	Client Info		1059		
Oil Changed Client Info NA NORMAL NORM		Oil Age	hrs	Client Info		500		
Filter Changed Client Info NA NORMAL NORMAL NORM		Filter Age	hrs	Client Info		0		
No. No.		Oil Changed		Client Info		Changed		
PQ				Client Info		N/A		
Iron		Sample Status				NORMAL		
Chromium	WEAR	PQ		ASTM D8184		276		
Chromium ppm ASTM D5185m >10 10 Nickel ppm ASTM D5185m >10 2 Titanium ppm ASTM D5185m < 1 Silver ppm ASTM D5185m < 0 Aluminum ppm ASTM D5185m >25 3 Copper ppm ASTM D5185m >50 2 Tin ppm ASTM D5185m >50 2 Tin ppm ASTM D5185m >50 2 Tin ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >10 <1 Valued visual v	All component wear rates are normal.	Iron	ppm	ASTM D5185m	>500	664		
Titanium ppm ASTM D5185m <1 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >25 3 Aluminum ppm ASTM D5185m >25 3 Copper ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >50 2 Tin ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >50 2 White Metal scalar *Visual NONE NONE Wilson ppm ASTM D5185m >75 45 Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Silt scalar *Visual NONE Light Sand/Dirt scalar *Visual NONE Light Appearance scalar *Visual NONE Light Appearance scalar *Visual NONE NONE Appearance scalar *Visual NONE NONE Appearance scalar *Visual NONE NONE Appearance scalar *Visual NONE NORML Appearance scalar *Visual NORML NORML Appearan		Chromium	ppm	ASTM D5185m	>10	10		
Silver ppm ASTM D5185m 25 3		Nickel	ppm	ASTM D5185m	>10	2		
Aluminum ppm ASTM D5185m >25 3		Titanium	ppm	ASTM D5185m		<1		
Lead		Silver	ppm	ASTM D5185m		0		
Copper			ppm			3		
Tin			ppm					
Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE								
White Metal Scalar "Visual NONE NO					>10			
Yellow Metal scalar *Visual NONE NONE					NONE			
Silicon ppm ASTM D5185m >75 45								
Potassium	<u></u>	reliow Metal	Scalar	visuai	NONE	NONE		
Water	CONTAMINATION There is a light concentration of water present in the oil.	Silicon	ppm	ASTM D5185m	>75	45		
Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE LIGHT Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NOR		Potassium	ppm	ASTM D5185m	>20	2		
Debris Scalar *Visual NONE LIGHT Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML		Water		WC Method	>0.2	NEG		
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML NORML NORML NORML Ddor Scalar *Visual NORML NOR			scalar	*Visual	NONE	NONE		
Appearance Scalar *Visual NORML NORML NORML Codor Scalar *Visual NORML N								
Odor scalar *Visual NORML NORML Fmulsified Water scalar *Visual scalar *Visual *Scalar *Scalar *Visual *Scalar *Scalar *Visual *Scalar *Visual *Scalar *Scalar *Visual *Scalar *Scalar *Visual *Scalar *Visual *Scalar *Scalar *Visual *Scalar *Scalar *Visual *Scalar *Sca								
Emulsified Water scalar *Visual >0.2 NEG								
Sodium ppm ASTM D5185m 1								
Boron ppm ASTM D5185m 7 Barium ppm ASTM D5185m 7 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996	<u></u>	Emulsined water	scalar	visuai	>0.2	NEG		
Barium ppm ASTM D5185m 7 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996	FLUID CONDITION	Sodium	ppm	ASTM D5185m		1		
Barium ppm ASTM D5185m 7 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996	The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		0		
Manganese ppm ASTM D5185m 9 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996		Barium	ppm	ASTM D5185m		7		
Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996		Molybdenum	ppm	ASTM D5185m		0		
Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996		Manganese	ppm			9		
Phosphorus ppm ASTM D5185m 204 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996		· ·	ppm					
Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 20996			ppm					
Sulfur ppm ASTM D5185m 20996		·						
Visc @ 40°C cSt ASTM D445 \ 154 \		Sulfur Visc @ 40°C	ppm cSt	ASTM D5185m ASTM D445		20996 154		





Laboratory Sample No.

Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0044003 Recieved : 18 Jan 2024 : 06064562 Diagnosed : 21 Jan 2024 : 10835944 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: PQ) 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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