WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id

BD16 (S/N 14083)

Component Hydraulic System

Resample at the next service interval to monitor. Sample Number Sample Date Cample Date Machine Age hrs Cil Changed Filter Changed Filter Changed Cample Status	Method L	Limit/Abn C	Current	History1	History2
Sample Date C Machine Age hrs C	Client Info		C0033119		
Machine Age hrs C Oil Age hrs C Filter Age hrs C Oil Changed C Filter Changed Sample Status WEAR All component wear rates are normal. Wickel ppm AS Fitanium ppm AS Silver ppm AS Aluminum ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Copper ppm AS Copper ppm AS Find Adminimation ppm AS Copper ppm AS Co	Client Info		0 Jan 2024		
Filter Age hrs COil Changed Cosample Status WEAR All component wear rates are normal. Iron ppm AS Chromium ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS Vanadium ppm AS Vanadium ppm AS Silver ppm AS Silver ppm AS Copper ppm AS SIIVER PPM AS SILVER SCALAR SILVER SILVER SILVER SILVER SILVER SILVER SILVER SILVER SCALAR SILVER SIL	Client Info	0)		
Oil Changed Filter Changed Sample Status NEAR All component wear rates are normal. Iron ppm AS Titanium ppm AS Silver ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS Silve Metal scalar "Vellow Metal scal	Client Info	0)		
Filter Changed Sample Status NEAR Iron ppm AS Chromium ppm AS Nickel ppm AS Silver ppm AS Silver ppm AS Silver ppm AS Copper ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS Silve Metal scalar "Nound Silver ppm AS Silver ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS Silver ppm AS Silver ppm AS Vanadium ppm AS Vanadium ppm AS Silver ppm AS Sodium ppm AS Magnaese ppm AS MAGNAE P	Client Info	0)		
NEAR Iron ppm AS Chromium ppm AS Nickel ppm AS Silver ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS Silicon ppm AS Silicon ppm AS Silit scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Codor scalar *\ Codor scalar *\ Codor scalar *\ Appearance scalar *\ Sodium ppm AS Molybdenum ppm AS Magnaese ppm AS Magnaese ppm AS Magnaesium ppm AS	Client Info	N.	N/A		
All component wear rates are normal. Iron	Client Info	N.	N/A		
All component wear rates are normal. Chromium ppm AS Nickel ppm AS Silver ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Vanadium ppm AS Vanadium ppm AS Vanadium ppm AS Valor vellow Metal scalar *\ Yellow Yellow Metal scalar *\ Yellow Yellow Yello		N	NORMAL		
All component wear rates are normal. Chromium ppm AS Nickel ppm AS Silver ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Vanadium ppm AS Vanadium ppm AS Vanadium ppm AS Vanadium ppm AS Vallow Metal scalar *\ Yellow Yellow Metal scalar *\ Yellow Yellow Yellow Yellow Yellow Yellow Yellow Yellow	ASTM D5185m >	~20	2		
Nickel ppm AS Titanium ppm AS Silver ppm AS Aluminum ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS Valor Vanadium ppm AS Valor Vanadium ppm AS Valor Vanadium ppm AS Vanadium ppm AS Vanadium ppm AS Valor V	ASTM D5185m >		<1		
Titanium ppm AS Silver ppm AS Aluminum ppm AS Lead ppm AS Copper ppm AS Tin ppm AS Vanadium ppm AS White Metal scalar *\ Vallow Metal scalar *\ Yellow Metal sca	ASTM D5185m >		0		
Silver ppm AS Aluminum ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS White Metal scalar "V Yellow Metal scalar "V Silicon ppm AS Water W Silt scalar "V Silt scalar "V Silt scalar "V Debris scalar "V Sand/Dirt scalar "V Appearance scalar "V	ASTM D5185m		0		
Aluminum ppm AS Lead ppm AS Copper ppm AS Vanadium ppm AS White Metal scalar *\ Yellow Metal scalar *\ Yellow Metal scalar *\ Yellow AS Water Water Water Silt scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Appearance scalar *\ Odor scalar *\ Odor scalar *\ Debris scalar *\ Appearance scalar *\ Appearance scalar *\ Odor scalar *\ Appearance scalar *\ Appearan	ASTM D5185m		0		
Lead ppm AS Copper ppm AS Copper ppm AS Vanadium ppm AS White Metal scalar *\ Yellow Yellow Metal scalar *\ Yellow Yellow Metal scalar *\ Yellow Y	ASTM D5185m	>10	2		
Tin ppm AS Vanadium ppm AS White Metal scalar *\ Yellow Metal scalar *\ Potassium ppm AS Water W Silt scalar *\ Sand/Dirt scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Odor scalar *\ Emulsified Water scalar *\ Yellow Metal scalar *\ Some Solium ppm AS Molybdenum ppm AS Magnese ppm AS Magnesium ppm AS Magnesium ppm AS	ASTM D5185m >	>10	1		
Vanadium ppm AS White Metal scalar *\ Yellow Metal scalar *\ Silicon ppm AS Water W Silt scalar *\ Sand/Dirt scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Sodium ppm AS Boron ppm AS Molybdenum ppm AS Molybdenum ppm AS Magnesium ppm AS Magnesium ppm AS	ASTM D5185m	>75	2		
White Metal scalar *\Yellow Metal scalar ppm As Water Water Silt scalar *\Yellow Metal pebris	ASTM D5185m	>10	1		
There is no indication of any contamination in the oil. Silicon ppm AS Water W Silt scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Molybdenum ppm AS Molybdenum ppm AS Maganesium ppm AS Magnesium ppm AS Magnesium ppm AS	ASTM D5185m		0		
There is no indication of any contamination in the oil. Potassium ppm AS Water W Silt scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Molybdenum ppm AS Molybdenum ppm AS Manganese ppm AS	*Visual 1	NONE	NONE		
There is no indication of any contamination in the oil. Potassium ppm AS Water Silt scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Sodium ppm AS Boron ppm AS Molybdenum ppm AS Magnesium	*Visual	NONE	NONE		
There is no indication of any contamination in the oil. Potassium Water Water Silt scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Sodium ppm AS Boron ppm AS Molybdenum ppm AS Molybdenum ppm AS Magnesium ppm AS Magnesium ppm AS	ASTM D5185m >	>20	4		
Water Silt scalar *\ Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Codor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Boron ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS Magnesium ppm AS	ASTM D5185m		2		
Debris scalar *\ Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Sodium ppm AS Boron ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS	WC Method >		NEG		
Sand/Dirt scalar *\ Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Sodium ppm AS Boron ppm AS Molybdenum ppm AS Magnesium ppm AS Magnesium ppm AS	*Visual	NONE	NONE		
Appearance scalar *\ Odor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Sodium ppm As Boron ppm As Molybdenum ppm As Manganese ppm As Magnesium ppm As	*Visual	NONE	NONE		
Codor scalar *\ Emulsified Water scalar *\ Emulsified Water scalar *\ Sodium ppm AS Boron ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS	*Visual	NONE	NONE		
FLUID CONDITION Sodium ppm AS Boron ppm AS Molybdenum ppm AS Magnesium ppm AS Magnesium ppm AS	*Visual N	NORML	NORML		
FLUID CONDITION The condition of the oil is acceptable for the time in service. Boron ppm AS Barium ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS	*Visual N	NORML	NORML		
The condition of the oil is acceptable for the time in service. Boron ppm AS Barium ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS	*Visual	>0.1	NEG		
The condition of the oil is acceptable for the time in service. Boron ppm AS Barium ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS	ASTM D5185m		2		
Barium ppm AS Molybdenum ppm AS Manganese ppm AS Magnesium ppm AS	ASTM D5185m		19		
Manganese ppm AS Magnesium ppm AS	ASTM D5185m		0		
Magnesium ppm AS	ASTM D5185m		<1		
	ASTM D5185m		<1		
Calcium ppm AS	ASTM D5185m		19		
	ASTM D5185m		707		
Phosphorus ppm AS	ASTM D5185m		473		
	ASTM D5185m		592		
	ASTM D5185m ASTM D445		3878 39.3		







Certificate L2367

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

: DC0033119 : 06057553 : 10823502 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 10 Jan 2024 Diagnosed : 12 Jan 2024

: Don Baldridge Diagnostician

UNION BRIDGE, MD US 21791 Contact: JACOB FLAUGHER jflaugher.magstone@gmail.com

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)

T:

F:

MAGSTONE

4141 BARKHILL RD